UE Electronic

Global Power Supply Provider

I.T.E. power supply 2026

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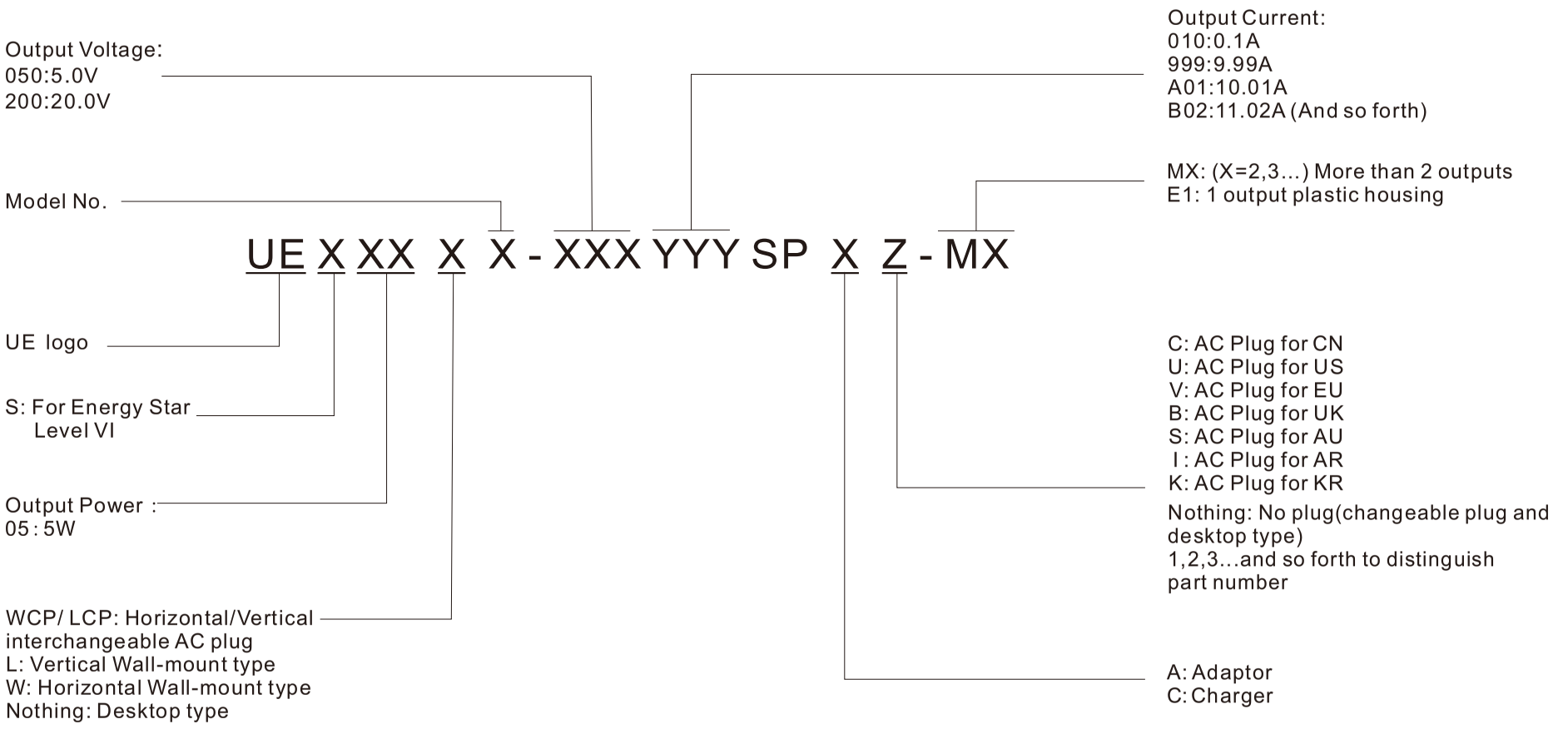
Coding Rules



Contents

Contents

UE Electronic

PoE Switching Power Adaptor
PoE24

Features

- AC input voltage range 90-270VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

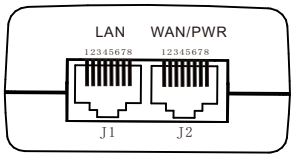
PoE24

Input Voltage Range	90-270VAC	Operating Temperature	-20~45℃
Input Current	1.5A	Storage Temperature	-40~70℃
Output Voltage Tolerance	±5%	Operating Humidity	5% to 95% non condensing
Standby Power	0.075W MAX	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Safety Standard	CE(EN62368), CCC(GB4943.1), PSE(J62368-1), cULus(UL62368-1), KC(K60950-1), CB(IEC62368-1), TUV-Mark(EN62368-1), FCC(Part 15)		
Weight	158g	Dimensions	130mm (L) ; 55mm (W) ; 30.6mm (H)
Applications	IP Phone,Wireless AP, POS device, etc.		

Output data(PoE24)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115 230	Av. Eff. (%) Min
POE24-19	19.0	1.26	190	Y Y	86.8

Pin Connections



J1 Pins
1. Data Receive/Transmit
2. Data Receive/Transmit
3. Data Receive/Transmit
4. Data Receive/Transmit
5. Data Receive/Transmit
6. Data Receive/Transmit
7. Data Receive/Transmit
8. Data Receive/Transmit

J2 Pins
1. Data + Power (+VDC)
2. Data + Power (+VDC)
3. Data + Power (-VDC)
4. Data + Power (+VDC)
5. Data + Power (+VDC)
6. Data + Power (-VDC)
7. Data + Power (-VDC)
8. Data + Power (-VDC)

Standard

EMC standard	EN55032,FCC Part15B
Conduction & Radiation	EN55032,FCC Part15B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3 Class A
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact
Radiated Immunity	IEC/EN 61000-4-3 10V/m
EFT/Burst	IEC/EN 61000-4-4 AC Port ±2KV WAN/PWR & LAN ±1KV
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-3 3Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 0%,70%, 0% of UT

PoE Switching Power Adaptor
PoE35

Features

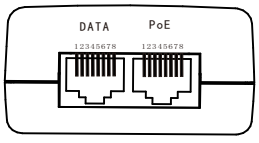
- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Average energy efficiency≥85%.
- Meet IEEE802.3 af/at standard
- Support10Mbps/100Mbps/1G/2.5G/5G/10G Ethernet transmission
- Meet 6KV surge immunity

Input Voltage Range	90-290VAC	Operating Temperature	-25~50℃
Input Current	1.0A	Storage Temperature	-40~85℃
Output Voltage Tolerance	±5%	Operating Humidity	5% to 95% non condensing
MTBF	500,000 hours at full load at 25℃ ambient, calculated per Telcordia SR332		
Safety Standard	CE(EN62368-1), cULus(UL62368-1), CB/EAC(IEC62368-1), CCC(GB4943.1), KC(K62368-1), RCM(AS/NZS62368.1), BSMI(CNS14336-1), PSE(J62368-1), BIS(IEC60950-1), NOM(NOM-001-SCFI-2018), GS(EN62368-1)		
Weight	205g	Dimensions	171.0mm (L) ; 62.0mm (L) ; 31mm (H)
Applications	IP Phone,Wireless AP, POS device, etc.		

Output data (PoE35-560062SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115 230	Av. Eff. (%) Min
PoE35-560062SPA	56.0	0.01-0.62	200	Y Y	85.00

Pin Connections



DATA Pins		PoE Pins
1. Data Receive/Transmit	———	1. Data + Power(+Vdc)
2. Data Receive/Transmit	———	2. Data + Power(+Vdc)
3. Data Receive/Transmit	———	3. Data + Power(-Vdc)
4. Data Receive/Transmit	———	4. Data + Power(+Vdc)
5. Data Receive/Transmit	———	5. Data + Power(+Vdc)
6. Data Receive/Transmit	———	6. Data + Power(-Vdc)
7. Data Receive/Transmit	———	7. Data + Power(-Vdc)
8. Data Receive/Transmit	———	8. Data + Power(-Vdc)

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM ,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

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PoE Switching Power Adaptor
PoE54DZ

Features

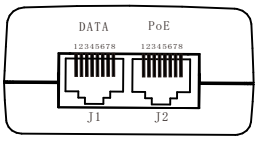
- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI
- Support10Mbps/100Mbps/1G Ethernet transmission

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	1.5A MAX	Storage Temperature	-30~70℃
Output Voltage Tolerance	±5%	Operating Humidity	5% to 95% non condensing
MTBF	500,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217		
Safety Standard	CCC(GB4943.1)		
Weight	205g	Dimensions	172.0mm (L) ; 62.0mm (W) ; 30.6mm (H)
Applications	ITE		

Output data(PoE54DZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115 230	Av. Eff. (%) Min
PoE48DZ-480100	48.0	0.01-1.00	500	Y Y	87.77
PoE54DZ-540100	54.0	0.01-1.00	500	Y Y	88.0

Pin Connections



J1 Pins		J2 Pins
1. Data Receive/Transmit	———	1. Data + Power(+Vdc)
2. Data Receive/Transmit	———	2. Data + Power(+Vdc)
3. Data Receive/Transmit	———	3. Data + Power(-Vdc)
4. Data Receive/Transmit	———	4. Data + Power(+Vdc)
5. Data Receive/Transmit	———	5. Data + Power(+Vdc)
6. Data Receive/Transmit	———	6. Data + Power(-Vdc)
7. Data Receive/Transmit	———	7. Data + Power(-Vdc)
8. Data Receive/Transmit	———	8. Data + Power(-Vdc)

Standard

EMC standard	EN55032/CISPR32 ; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±10KV Air, ±6KV Contact
Radiated Immunity	IEC/EN 61000-4-3 3V/m
EFT/Burst	IEC/EN 61000-4-4 ±1KV
Surge	IEC/EN 61000-4-5 ±2KV DM ,±2KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vr MS
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Z:2-C6

UE Electronic

PoE Switching Power Adaptor
PoE90

Features

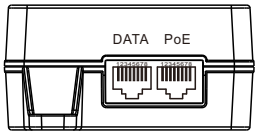
- AC input voltage range 90-290VAC
- Protections against: short circuit/over current/over voltage/over temperature over-charging
- Power Factor≥0. 9
- Meet IEEE 802.3af/at/bt standard
- Support10Mbps/100Mbps/1G/2.5G/5G/10G Ethernet transmission

Input Voltage Range	90-290VAC	Operating Temperature	-40~65℃
Input Current	1.8A	Storage Temperature	-40~70℃
Efficiency	85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±3%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Power Factor	0.9		
Safety Standard	BIS(IEC60950-1),BSMI(CNS14336-1), CE(EN62368-1), EAC(ICE62368-1),CB(IEC62368-1), FCC(Part 15), GS(EN62368-1), PSE(J62368-1), cULus(UL62368-1), CCC(GB4943.1),IRAM(IEC62368-1), RCM(AS/NZS 62368.1)		
Weight	570g	Dimensions	191.5mm(w/o hanging ring)/222mm(L);80mm(W);40mm(H)
Applications	IP Phone,Wireless AP, POS device, etc.		

Output data (PoE90-560161)

Model	Voltage (V)	Current (A)	Ripple (mV)	Av. Eff. (%) Min
PoE90-560161	56.0	0.09-1.61	200	85.0

Pin Connections



DATA Pins		PoE Pins
1. Data Pair 1	———	1. Data + Power(+VDC)
2. Data Pair 1	———	2. Data + Power(+VDC)
3. Data Pair 2	———	3. Data + Power(-VDC)
4. Data Pair 3	———	4. Data + Power(+VDC)
5. Data Pair 3	———	5. Data + Power(+VDC)
6. Data Pair 2	———	6. Data + Power(-VDC)
7. Data Pair 4	———	7. Data + Power(-VDC)
8. Data Pair 4	———	8. Data + Power(-VDC)

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 13Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

PoE Switching Power Adaptor
PoE100-54A

Features

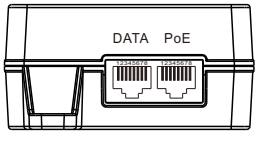
- AC input voltage range90-290VAC
- Protections against: short circuit/over current/over voltage/over temperature over-charging
- Power Factor≥0. 95
- Meet IEEE 802.3at/PoE++ standard
- Support10Mbps/100Mbps/1G/2.5G/5G/10G Ethernet transmission

Input Voltage Range	90-290VAC	Operating Temperature	-10 ~ 50℃
Input Current	1.5A	Storage Temperature	-20 ~ 70℃
Efficiency	85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±3%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Power Factor	0.95		
Safety Standard	Meet CCC(GB4943.1)		
Weight	600g	Dimensions	191.5mm(w/o hanging ring)/222mm(L);80mm(W);40mm(H)
Applications	IP Phone,Wireless AP, POS device, etc.		

Output data (PoE100-54A)

Model	Voltage (V)	Current (A)	Ripple (mV)	Av. Eff. (%) Min
PoE100-54A	54.0	0.09-1.86	300	85.0

Pin Connections



DATA Pins		PoE Pins
1. Data Pair 1	———	1. Data + Power(-VDC)
2. Data Pair 1	———	2. Data + Power(-VDC)
3. Data Pair 2	———	3. Data + Power(+VDC)
4. Data Pair 3	———	4. Data + Power(+VDC)
5. Data Pair 3	———	5. Data + Power(+VDC)
6. Data Pair 2	———	6. Data + Power(+VDC)
7. Data Pair 4	———	7. Data + Power(-VDC)
8. Data Pair 4	———	8. Data + Power(-VDC)

Standard

EMC standard	EN55032/CISPR32;EN55024/CISPR24
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vr MS
Dips & Interruptions	IEC/EN 61000-4-11

USB Charger
UES10WCP-SPC-M2

Features

- AC input voltage range 90-264VAC/150-264VAC
- Protections against: short circuit/over current/over voltage/over temperature
- Can charge 2 devices at the same time through 2 individual outputs
- Changeable ac plugs for universal use
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	0.5A	Storage Temperature	-20~60℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	50,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W		
Safety Standard	CE(EN62368-1), CB(IEC62368-1), GS(EN62368-1), CCC(GB4943), BIS(IEC60950-1), RCM(AS/NZS62368.1), NRTL(UL62368-1), KC(K62368-1), PSE(J62368-1)		
Weight	70g	Dimensions	73.5mm (L); 43.5mm (W); 31.2mm (H)
Applications	Mobile phone charger, ITE		

Output data (UES10WCP-SPC-M2)

Model		Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES10WCP-050100SPC-M2	USB1	5.0	0.10-1.00	200	Y	Y	73.5
	USB2	5.0	0.10-1.00	200	Y	Y	73.5

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±6KV Air, ±4KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±1KV Diff.Mode,±1KV Common Mode
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES33LZ-SPC Series

Features

- Meet medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤ 0.1W standby power
- 5V/9V/12V/15V/20V outputs, up to 30W
- Up to 5,000m operating altitude
- Optional fixed plug / interchangeable plug design
- USB port / fixed cable design
- Meet USB PD3.0&QC3.0&QC2.0 fast charge agreement

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	0.8A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W		
Safety Standard	Meets CE(EN62368-1), CB(IEC62368-1), TUV-GS(EN62368-1), CCC(GB4943.1), cULus(UL62368-1)		
Weight	130g	Dimensions	90.5mm (L); 33.5mm (W); 48.0mm (H)
Applications	portable device		

Output data (UES33LZ-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES33LZ-SPC	5.0	0.01-3.00	200	Y	Y	81.38
	9.0	0.01-3.00	200	Y	Y	86.62
	12.0	0.01-2.50	200	Y	Y	86.95
	15.0	0.01-2.00	200	Y	Y	86.95
	20.0	0.01-1.50	200	Y	Y	86.95

Model encoding:
Replace “Z” with “B” for fixed UK AC plug and fixed DC cable
Replace “Z” with “BU” for fixed UK AC plug and USB
Replace “Z” with “CP” for changeable AC plug and fixed DC cable
Replace “Z” with “CPU” for changeable AC plug and USB

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±1KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

PD Fast Charger
UES45LCP-SPC

Features

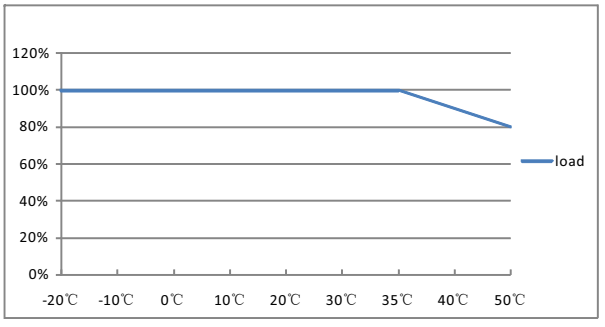
- ◆ AC input voltage range 90-264VAC
- ◆ Protections against: short circuit/over current/over voltage
- ◆ High efficiency, ultra-low standby power consumption, Energy efficiency level VI
- ◆ Support PD3.0, QC3. 0, QC2. 0, PPS;

Input Voltage Range	80-264VAC	Operating Temperature	-20~50℃(Reference Derating Curve)
Input Current	1.3A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W Max		
Safety Standard	CE(EN62368-1), CB(IEC62368-1), CCC(GB4943.1), cULus(UL62368-1),PSE(J62368-1), RCM(AS/NZS62368.1) NOM(NOM-001-SCFI-1993), FCC(Part 15)		
Weight	125g	Dimensions	80.0mm (L); 57.9mm (W); 30.0mm (H)
Applications	portable device		

Output data (UES45LCP-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES45LCP-SPC	5.0	0.01-3.00	200	Y	Y	81.38
	9.0	0.01-3.00	200	Y	Y	86.62
	12.0	0.01-3.00	200	Y	Y	87.40
	15.0	0.01-3.00	200	Y	Y	87.72
	20.0	0.01-2.25	200	Y	Y	87.72

Derating Curve



Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±6KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±2KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES60D1-SPC/UES60LCP-SPC

Features

- ◆ AC input voltage range 90-264VAC
- ◆ Protections against: short circuit/over current/over voltage/over temperature
- ◆ High efficiency, ultra-low standby power consumption, Energy efficiency level VI
- ◆ Support PD3.0 , compatible with PD2.0, PD1.0
- ◆ Support online burning

UES60D1-200300SPC

UES60LCP-200300SPC

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	1.3A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W MAX		
Safety Standard	CE(EN62368-1), TUV SUD-NRTL(UL62368-1), NOM(NOM-001-SCFI-2018), CB(IEC62368-1), CCC(GB4943.1), FCC(Part 15), BSMI(CNS14336-1), RCM(AS/NZS62368.1), PSE(J62368-1), BIS(IEC60950-1), TUV-GS(EN62368-1), cULus(UL62368-1), KC(K62368-1)		
Weight	180g	Dimensions	97mm (L) ; 63.5mm (W) ; 33.5mm (H)
Applications	Portable device		

Output data (UES60D1-SPC/UES60LCP-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES60D1-200300SPC UES60LCP-200300SPC	5.0	0.01-3.00	150	Y	Y	81.39
	9.0	0.01-3.00	150	Y	Y	86.62
	12.0	0.01-3.00	150	Y	Y	87.40
	15.0	0.01-3.00	150	Y	Y	87.73
	20.0	0.01-3.00	150	Y	Y	89.00

Standard

EMC standard	EN55032/CISPR22; EN55024/CISPR24
Conduction & Radiation	EN55032/CISPR22 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact
Radiated Immunity	IEC/EN 61000-4-3 4V/m
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	ITU-T K.21/IEC/EN 61000-4-5 ±2KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

PD Fast Charger
UES65LZ2-SPC Series

Features

- Meet medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤ 0.21W standby power
- 5V/9V/12V/15V/20V outputs, up to 65W
- Up to 5,000m operating altitude
- Optional fixed plug / interchangeable plug design
- USB port / fixed cable design
- Meet USB PD3.0&QC3.0&QC2.0 fast charge agreement

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	2.0A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.21W		
Safety Standard	CE(EN62368-1/EN60601-1), CB(IEC62368-1/EN60601-1), TUV-GS(EN62368-1), CCC(GB4943.1), TUV-MARK (EN6060-1), FCC(Part 15), cULus(UL62368-1/ES60601-1)		
Weight	220g	Dimensions	90.5mm (L); 33.5mm (W); 58.5mm (H)
Applications	portable device		

Output data (UES65LZ2-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES65LZ2-SPC	5.0	0.01-3.00	200	Y	Y	82.00
	9.0	0.01-3.00	200	Y	Y	86.80
	12.0	0.01-3.00	200	Y	Y	87.50
	15.0	0.01-3.00	200	Y	Y	88.00
	20.0	0.01-3.25	200	Y	Y	88.00

Model encoding:
Replace “Z” with “B” for fixed UK AC plug and fixed DC cable
Replace “Z” with “BU” for fixed UK AC plug and USB
Replace “Z” with “CP” for changeable AC plug and fixed DC cable
Replace “Z” with “CPU” for changeable AC plug and USB

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±1KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES100LCP2-SPC Series

Features

- Medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤0.15W standby power
- 5V/9V/12V/15V/20V outputs, up to 100W
- Up to 5,000m operating altitude
- Interchangeable plug design
- Meet USB PD3.1&PD3.0&QC4.0+&QC3.0&QC2.0 fast charge agreement

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	1.8A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	CE(EN62368-1), CB(IEC62368-1/EN60601-1), TUV-SUD Mark(EN60601-1/EN60601-1-11), FCC(Part 15), cULus(UL62368-1/ES60601-1)		
Weight	290g	Dimensions	97.0mm (L); 34.0mm (W); 57.0mm (H)
Applications	portable device		

Output data (UES100LCP2-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES100LCP2-SPC	5.0	0.01-3.00	200	Y	Y	82.00
	9.0	0.01-3.00	200	Y	Y	86.80
	12.0	0.01-3.00	200	Y	Y	87.50
	15.0	0.01-3.00	200	Y	Y	88.00
	20.0	0.01-5.00	200	Y	Y	89.00

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±1KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES100B-SPCZ/UES100C-SPCZ Series

Features

- Medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤0.15W standby power
- 5V/9V/12V/15V/20V outputs, up to 100W
- Up to 5,000m operating altitude
- Interchangeable plug design
- Meet USB PD3.1&PD3.0&QC4.0+&QC3.0&QC2.0 fast charge agreement

GaN

UES100B-SPCZ
UES100C-SPCZ

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	1.8A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	CE(EN62368-1), CB(IEC62368-1/EN60601-1), TUV-SUD Mark(EN60601-1/EN60601-1-11), FCC(Part 15), cULus(UL62368-1/ES60601-1)		
Weight	300g	Dimensions	97.0mm (L); 34.0mm (W); 57.0mm (H)
Applications	portable device		

Output data (UES100B-SPCZ/UES100B-SPCZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES100B-SPCZ UES100C-SPCZ	5.0	0.01-3.00	200	Y	Y	82.00
	9.0	0.01-3.00	200	Y	Y	86.80
	12.0	0.01-3.00	200	Y	Y	87.50
	15.0	0.01-3.00	200	Y	Y	88.00
	20.0	0.01-5.00	200	Y	Y	89.00

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±1KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES140AZ-SPC/UES140BZ-SPC Series

Features

- Medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤0.15W standby power
- 5V/9V/12V/15V/20V/28V outputs, up to 140W
- Up to 5,000m operating altitude
- Meet USB PD3.1&PD3.0&QC4.0+&QC3.0&QC2.0 fast charge agreement

GaN

UES140AZ-SPC
UES100BZ-SPC

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	2.5A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	CE(EN62368-1), CB(IEC62368-1/EN60601-1), TUV-SUD Mark(EN60601-1/EN60601-1-11), cULus(UL62368-1/ES60601-1)		
Weight	340g	Dimensions	121.0mm (L); 66.0mm (W); 32.0mm (H)
Applications	portable device		

Output data (UES140AZ-SPC/UES140BZ-SPC)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES140AZ-SPC UES140BZ-SPC	5.0	0.01-3.00	300	Y	Y	82.00
	9.0	0.01-3.00	300	Y	Y	86.80
	12.0	0.01-3.00	300	Y	Y	87.50
	15.0	0.01-3.00	300	Y	Y	88.00
	20.0	0.01-5.00	300	Y	Y	90.00
	28.0	0.01-5.00	300	Y	Y	92.00

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±1KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PD Fast Charger
UES240E-SPCZ/UES240F-SPCZ Series

Features

NEW

GaN

- ◆ Medical & I.T.E. safety approvals
- ◆ 2 MOPP input to output isolation
- ◆ Leakage current ≤ 100μA
- ◆ Energy efficiency level VI
- ◆ ≤0.15W standby power
- ◆ 5V/9V/12V/15V/20V/28V/36V/48V outputs, up to 240W
- ◆ Up to 5,000m operating altitude
- ◆ Meet USB PD3.2&AVS&PPS&QC3.0 fast charge agreement
- ◆ USB port / fixed cable design

Input Voltage Range	80-264VAC	Operating Temperature	0~40℃
Input Current	2.5A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	Meet CE(EN62368-1), CB(IEC62368-1/EN60601-1), TUV-SUD Mark(EN60601-1/EN60601-1-11), cULus(UL62368-1/ES60601-1)		
Weight	340g	Dimensions	121.0mm (L); 66.0mm (W); 32.0mm (H)
Applications	portable device		

Output data (UES240E-SPCZ/UES240F-SPCZ)

CE

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES240E-SPCZ UES240F-SPCZ	5.0	0.01-3.00	250	Y	Y	82.00
	9.0	0.01-3.00	250	Y	Y	87.30
	12.0	0.01-3.00	250	Y	Y	88.30
	15.0	0.01-3.00	250	Y	Y	88.90
	20.0	0.01-5.00	300	Y	Y	89.50
	28.0	0.01-5.00	350	Y	Y	90.00
	36.0	0.01-5.00	350	Y	Y	91.00
	48.0	0.01-5.00	400	Y	Y	91.50

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC/EN 61000-4-4 ±2KV on AC port, ±1KV on signal ports
Surge	IEC/EN 61000-4-5 ±2KV line to line (DM)
Conducted Immunity	IEC/EN 61000-4-6 3Vrms, 6Vrms (0.15MHz-80MHz)
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PLC Built in Power Board
UES05-SPA1-OP

Features

NEW

- AC input voltage range 90-240VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~60℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	10% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.075W MAX		
Safety Standard	CQC(GB4943.1)		
Weight	20g	Dimensions	41.0mm (L);25.5mm (W); 16.5mm (H)
Applications	ITE		

Output data (UES05-050100SPA1-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 150	Ⓥ 230	Av. Eff. (%) Min
UES05-050YYYSPA1-OP	5.0	0.01-1.00	100	Y	Y	73.77

YYY:001-100 stands for current 0.01-1.00A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±4KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

PLC Built in Power Board
UES06-SPA-OP

Features

- AC input voltage range 200-240VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity
- Energy efficiency level VI

Input Voltage Range	200-240VAC	Operating Temperature	-20~60℃
Input Current	0.2A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	50,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CQC(GB4943.1)		
Weight	20g	Dimensions	41mm(L); 25.5mm(W); 15.5mm(H)
Applications	ITE		

Output data (UES06-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 230	Av. Eff. (%) Min
UES06-052YYYSPA-OP	5.25	0.01-1.2	120	Y	75.6

YYY:001-120 stands for current 0.01-1.20A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±4KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE08-SPA-OP Series

Features

- AC input voltage range 176-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2.5KV surge immunity
- Energy efficiency level V

Input Voltage Range	176-264VAC	Operating Temperature	-10~60℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level V	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W Max		
Safety Standard	CQC(GB4943.1)		
Weight	About 35g	Dimensions	56.0mm (L); 56.0mm (W);15.5mm (H)
Applications	ITE		

Output data (UE08-120070SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 230	Av. Eff. (%) Min
UE08-120YYYSPA-OP	12.0	0.01-0.70	300	Y	77.9

YYY:001-070 stands for current 0.01-0.70A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-3 Class A
Voltage Flicker	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
ESD	IEC/EN 61000-4-3 4V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±2.5KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%, 70% ,0%of UT

UE12D-SPA1-OP Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2KV surge immunity
- Energy efficiency level V

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	0.43A	Storage Temperature	-20~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.1W Max		
Safety Standard	Meet CB(IEC62368-1)		
Weight	About 57g	Dimensions	58.0mm (L); 56.5mm (W);20.3mm (H)
Applications	ITE		

Output data (UES12D-SPA1-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES12D-050240SPA1-OP	5.0	2.4	150	Y	Y	79.80

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE13-SPA1-OP Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity

Input Voltage Range	90-264VAC	Operating Temperature	-10~50℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.1W Max		
Safety Standard	Meet CQC(GB4943.1), CB(IEC62368-1)		
Weight	About 28g	Dimensions	61.0mm (L); 37.3mm (W);15.5mm (H)
Applications	ITE		

Output data (UES13-SPA1-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES13-120YYYSPA1-OP	12.0	0.01-1.08	300	Y	Y	83.37

YYY:001-108 stands for current 0.01-1.08A.

Standard

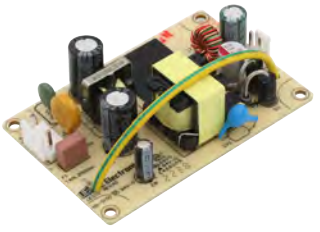
EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES15-SPA3-OP

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2KV surge immunity



Input Voltage Range	90-264VAC	Operating Temperature	-10~50℃
Input Current	0.5A	Storage Temperature	-20~75℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	Meet CE(EN62368-1)		
Weight	50g±5%	Dimensions	76.2mm (L) ;50.8mm (W) ; 25mm (H)
Applications	ITE		

Output data (UES15-SPA3-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115 230	Av. Eff. (%) Min
UES15-050YYYSPA3-OP	5.0	0.01-3.0	150	Y Y	81.84

YYY:001-300 stands for current 0.01-3.0A

Standard

EMC standard	EN55032; EN55035
Conduction & Radiation	EN55032 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3 Class A
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class A
EFT/Burst	IEC/EN 61000-4-4 2KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM, ±2KV CM Class B
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%,0% of UT

UES24-SPA-OP1 Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	≥85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.075W Max		
Safety Standard	Meet CB(IEC60335-1), CQC(GB4706.1),cULus(UL1310)		
Weight	About 81g	Dimensions	115.0mm (L); 48.0mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES24-SPA-OP1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES24-200YYYSPA-OP1	20.0	0.01-1.20	200	Y	Y	86.80

YYY:001-120 stands for current 0.01-1.20A.

Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE28-SPA-OP Series

Features

- AC input voltage range 176-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity

Input Voltage Range	176-264VAC	Operating Temperature	-10~45℃
Input Current	0.6A	Storage Temperature	-40~70℃
Average Efficiency	≥85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.28W Max		
Safety Standard	Meet CQC(GB4943.1)		
Weight	About 62g	Dimensions	83.0mm (L); 75.0mm (W); 19.0mm (H)
Applications	ITE, Speaker		

Output data (UE28-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Av. Eff. (%) Min
UE28-190YYYSPA-OP	19.0	0.01-1.50	200	85.00

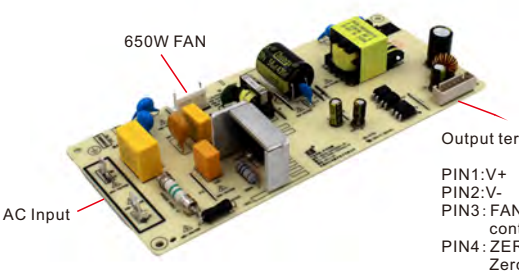
Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES30-SPA-OP Series
Robotic vacuum cleaner

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection
- 650W FAN(AC load)



PIN1:V+
PIN2:V-
PIN3: FAN 650W FAN control
PIN4: ZERO AC Input Zero signal detection
PIN5~PIN7: NC

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.13W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 181g	Dimensions	164.15mm (L); 72.15mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES30-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES30-200YYYSPA-OP	20.0	0.01-1.50	200	Y	Y	87.70

YYY:001-150 stands for current 0.01-1.50A.

Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES30-SPA-OP2 Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- Communication phase zero crossing detection

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.1W Max		
Safety Standard	Meet CB(IEC60335-1), CQC(GB4943.1), cULus(UL1310)		
Weight	About 115g	Dimensions	1116.0mm (L); 84.1mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES30-SPA-OP2)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES30-300YYYSPA-OP2	30.0	0.01-1.00	300	Y	Y	86.95

YYY:001-100 stands for current 0.01-1.00A.

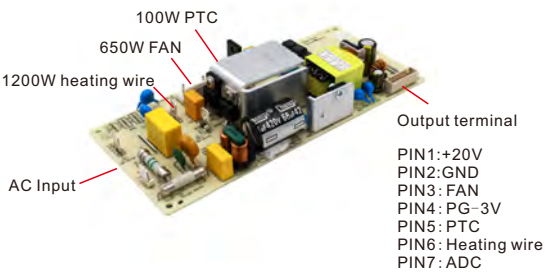
Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES36-SPA-OP1 Series
Robotic vacuum cleaner

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection
- 1200W Heating wire(AC load)
- 650W FAN(AC load)
- 100W PTC (AC load)



Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.13W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 136g	Dimensions	164.15mm (L); 72.15mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES36-SPA-OP1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES36-200YYYSPA-OP1	20.0	0.01-1.80	200	Y	Y	88.30

YYY:001-180 stands for current 0.01-1.80A.

Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES36-SPA-OP4 Series

Features

- AC input voltage range 85-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity

Input Voltage Range	85-264VAC	Operating Temperature	-20~50℃
Input Current	1.2A	Storage Temperature	-25~70℃
Average Efficiency	≥85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.3W Max		
Safety Standard	Meet CQC(GB4943.1)		
Weight	About 115g	Dimensions	105.0mm (L); 51.0mm (W); 34.6mm (H)
Applications	ITE		

Output data (UES36-SPA-OP4)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES36-120YYYSPA-OP4	12.0	0.01-3.00	200	Y	Y	85.00

YYY:001-300 stands for current 0.01-3.00A.

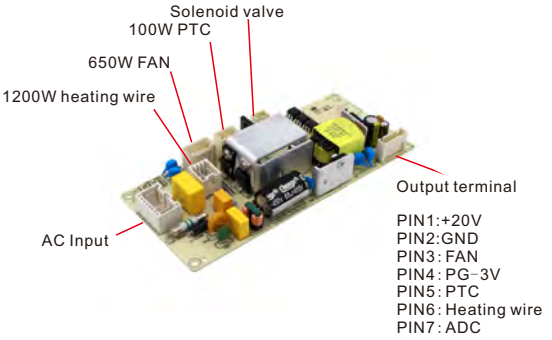
Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES36A-SPA1 Series
Robotic vacuum cleaner

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection
- 1200W Heating wire(AC load)
- 650W FAN(AC load)
- 100W PTC (AC load)



Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.15W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 138g	Dimensions	164.2mm (L); 72.2mm (W); 26.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES36A-SPA1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES36A-200YYYSPA1	20.0	0.01-1.80	200	Y	Y	87.40

YYY:001-180stands for current 0.1-1.80A.

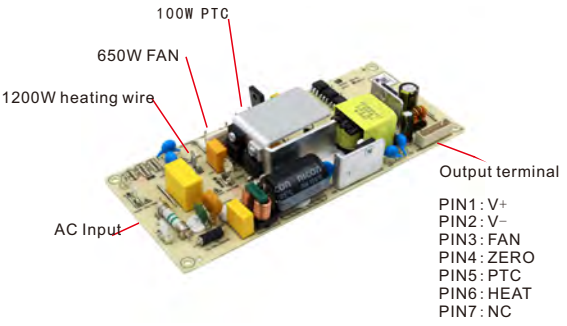
Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES42-SPA-OP1 Series
Robotic vacuum cleaner

Features

- ◆ AC input voltage range 90-264VAC
- ◆ Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- ◆ Meet 2KV surge immunity
- ◆ Energy efficiency level VI
- ◆ AC phase control zero crossing detection
- ◆ 1200W Heating wire(AC load)
- ◆ 120W heating wire , 650W FAN(AC load)
- ◆ 100W PTC（AC load）



Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.15W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 138g	Dimensions	164.2mm (L); 72.2mm (W); 26.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES42-SPA-OP1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES42-200YYYSPA-OP1	20.0	0.01-2.10	200	Y	Y	87.66

YYY:001-210 stands for current 0.01-2.10A.

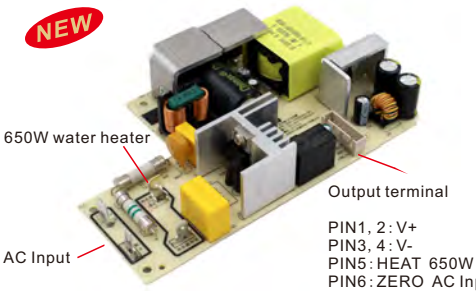
Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35;
Conduction & Radiation	EN55032/CISPR32; Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8kV Air, ±6kV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2kV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM ,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 100%, 70%, 100% of UT

UES60-SPA-OP1 Series
Robotic vacuum cleaner

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection
- 650W water heater(AC load)



PIN1, 2 : V+
PIN3, 4 : V-
PIN5 : HEAT 650W water heater
PIN6 : ZERO AC Input
Zero signal detection
PIN7 : CTRL-N RELAY CONTROL

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.13W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 181g	Dimensions	140.0mm (L); 84.0mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES60-SPA-OP1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES60-200YYYSPA-OP1	20.0	0.01-3.00	200	Y	Y	88.00
UES60-240YYYSPA-OP1	24.0	0.01-2.50	240	Y	Y	88.00
UES60-290YYYSPA-OP1	29.0	0.01-2.07	300	Y	Y	88.00

YYY:001-300 stands for current 0.01-3.00A.
001-250 stands for current 0.01-2.50A.
001-207 stands for current 0.01-2.07A.

Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES65-SPA-OP1 Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 6KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection

NEW

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.8A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.21W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 181g	Dimensions	189.9mm (L); 67.15mm (W); 24.0mm (H)
Applications	ITE		

Output data (UES65-SPA-OP1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES65-200YYYSPA-OP1	20.0	0.01-3.25	200	Y	Y	88.00

YYY:001-325 stands for current 0.01-3.25A.

PTC : 120W
Heater : 1200W
Fan : 650W

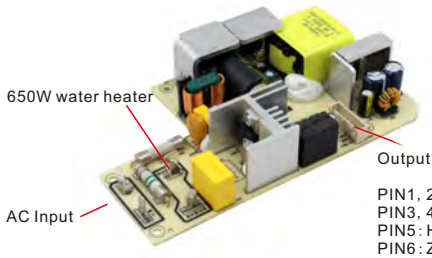
Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES66-SPA-OP2 Series
Robotic vacuum cleaner

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ over temperature/ under voltage protection
- Meet 2KV surge immunity
- Energy efficiency level VI
- AC phase control zero crossing detection
- 650W water heater(AC load)



PIN1, 2 : V+
PIN3, 4 : V-
PIN5 : HEAT 650W water heater
PIN6 : ZERO AC Input
Zero signal detection
PIN7 : CTRL-N RELAY CONTROL

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.13W Max		
Safety Standard	Meet CB(IEC60335-1), CCC(GB4706.1), cULus(UL1310)		
Weight	About 181g	Dimensions	140.0mm (L); 84.0mm (W); 24.0mm (H)
Applications	Robotic vacuum cleaner		

Output data (UES66-SPA-OP2)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES66-340YYYSPA-OP2	20.0	0.01-1.94	340	Y	Y	88.00

YYY:001-194 stands for current 0.01-1.94A.

Standard

EMC standard	EN 55014
Conduction & Radiation	EN 55014 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching power supply unit
UE100-SPA-OP

Features

NEW

- AC input voltage range 176-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2KV surge immunity

Input Voltage Range	176-264VAC	Operating Temperature	-10~45℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	85%	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.48W MAX		
Safety Standard	/		
Weight	About 320g	Dimensions	160.0mm (L); 89.0mm (W); 39.5mm (H)
Applications	ITE		

Output data (UE100-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UE100-200YYYSPA-OP	20.0	0.01-5.00	200	Y	Y	85.00

YYY:001-500 stands for current 0.01-5.00A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±3KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE102-SPA-OP

Features

- AC input voltage range 176-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	176-264VAC	Operating Temperature	-10~45℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.3W Max		
Safety Standard	Meet CQC(GB4943.1)		
Weight	About 216g	Dimensions	141.0mm (L); 59.0mm (W); 27.3mm (H)
Applications	ITE		

Output data (UE102-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UE102-290YYYSPA-OP	29.0	0.01-3.50	300	Y	Y	88

YYY:001-350 stands for current 0.01-3.50A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±1KV DM,±2KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES120-SPA-OP

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~60℃
Input Current	1.8A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.21W Max		
Safety Standard	Meet CB(IEC62368-1),CE(EN62368-1), cULus(UL62368-1)		
Weight	About 260g	Dimensions	140.0mm (L); 100.0mm (W); 25.0mm (H)
Applications	ITE		

Output data (UES120-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES120-240YYYSPA-OP	24.0	0.01-5.00	240	Y	Y	88

YYY:001-500 stands for current 0.01-5.00A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±1KV DM,±2KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES150-SPA3-OP Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~50℃
Input Current	2.0A Max	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.21W		
Safety Standard	Meet LVD(EN62368-1)		
Weight	About 230g	Dimensions	127.0mm (L); 73.0mm (W); 33.0mm (H)
Applications	ITE		

Out data (UES150-SPA3-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES150-540YYYSPA3-OP	54.0	0.01-2.80	500	Y	Y	91.00

YYY:001-280 stands for current 0.01-2.80A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES150-SPA4-OP Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-25~50℃
Input Current	4.0A Max	Storage Temperature	-40~85℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.3W		
Safety Standard	Meet CQC(GB4943.1)		
Weight	About 200g	Dimensions	141.6mm (L); 50.8mm (W); 33.0mm (H)
Applications	ITE		

Output data (UES150-SPA4-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES150-120YYYSPA4-OP	12.0	0.01-12.5	200	Y	Y	90.0

YYY:001-C50 stands for current 0.01-12.5A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES155-SPA-OP

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~60℃
Input Current	2A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.21W Max		
Safety Standard	Meet CB(IEC62368-1),CE(EN62368-1), cULus(UL62368-1)		
Weight	About 275g	Dimensions	140.0mm (L); 100.0mm (W); 25.0mm (H)
Applications	ITE		

Output data (UES155-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES155-240YYYSPA-OP	24.0	0.01-6.45	240	Y	Y	89.00

YYY:001-645 stands for current 0.01-6.45A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±1KV DM,±2KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES280-SPA-OP Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~60℃
Input Current	4.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.5W		
Safety Standard	CE(EN62368-1), UKCA(EN62368-1)		
Weight	About 400g	Dimensions	143.0mm (L); 73.0mm (W); 41.1mm (H)
Applications	ITE		

Output data (UES280-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES280-540YYYSPA-OP	54.0	0.01-5.20	500	Y	Y	91.00

YYY:001-520 stands for current 0.01-5.20A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES290-SPA-OP Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC OR 190-290VDC	Operating Temperature	-10~60℃
Input Current	4.0A Max	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	1.0W		
Safety Standard	Meets CE(EN62368-1)		
Weight	About 490g	Dimensions	180.0mm (L); 85.0mm (W); 32.0mm (H)
Applications	ITE		

Output data (UES290-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES290-540YYYSPA-OP	54.0	0.01-5.4	500	Y	Y	91.00

YYY:001-540 stands for current 0.01-5.4A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES409-SPA-OP Series

Features

NEW

- AC input voltage range 90-264VAC/
  DC input voltage range 190-290VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC OR 190-290VDC	Operating Temperature	-10~60℃
Input Current	7.6A Max	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	1.0W		
Safety Standard	Meets CE(EN62368-1)		
Weight	About 490g	Dimensions	170.0mm (L); 100.0mm (W); 34.0mm (H)
Applications	ITE		

Output data (UES409-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES409-540YYYSPA-OP	54.0	0.01-7.6	300	Y	Y	90.00

YYY:001-760 stands for current 0.01-7.6A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±8KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UES460-SPA-OP Series

Features

- AC input voltage range 90-264VAC/ DC input voltage range 190-290VDC
- Protections against: short circuit/over current/over voltage/over temperature
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC OR 190-290VDC	Operating Temperature	-10~60℃
Input Current	6.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	1.0W		
Safety Standard	Meets CE(EN62368-1)		
Weight	About 490g	Dimensions	190.0mm (L); 85.0mm (W); 32.0mm (H)
Applications	ITE		

Output data (UES460-SPA-OP)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES460-560YYY-OP	56.0	0.01-8.22	500	Y	Y	91.00

YYY:001-822 stands for current 0.01-8.22A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES12L1-SPAZ Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-5～40℃
Input Current	0.5A	Storage Temperature	-40～70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CE(EN62368-1),CB(IEC62368-1),EAC(IEC62368-1),cULus(UL62368-1),PSE(J62368-1), RCM(AS/NZS62368-1)		
Weight	About 80g	Dimensions	62.0mm (L);29.0mm (W);40.3mm (H)
Applications	ITE		

Output data (UES12L1-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	(VI) 115	(VI) 230	Av. Eff. (%) Min
UES12L1-120YYYSPAZ	12.0	0.01-1.00	300	Y	Y	82.96

YYY:001-100 stands for current 0.01-1.00A

Z: B-AC Plug for UK
V-AC Plug for EU
D-AC Plug for Brazil
U-AC Plug for US
S-AC Plug for AU
J-AC Plug for JP

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR25
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-3
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±10KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	ITU-T K.21/IEC/EN 61000-4-5 ±2KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES12LCP1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI
- No Y design

Input Voltage Range	90-264VAC	Operation Temperature	-5~45°C
Input Current	0.5A	Storage Temperature	-40~70°C
Average Efficiency	Energy efficiency level VI	Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25°C ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CE(EN62368-1), cULus(UL62368-1), CB(IEC62368-1), FCC(Part 15)		
Weight	80g	Dimensions	70mm (L) ;30.2mm (W) ;52mm (H)
Applications	ITE		

Output data (UES12LCP1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES12LCP1-120YYYSPA	12.0	0.01-1.00	300	Y	Y	83.26

YYY:001-100 stands for current 0.01-1.00A
CP-Changeable AC Plug

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KVDM, ±6KVCM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES12WU2-SPA/UES12WV1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-5~45℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	12V±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia SR332
Standby Power	0.075W Max		
Safety Standard	cULus(UL62368-1), FCC(Part 15), NOM(NOM-001-SCFI-2018), CE(EN62368-1), CB(IEC62368-1), EAC(IEC62368-1)		
Weight	88g±5g	Dimensions	70.0mm (L); 46.0mm (W); 29.5mm (H)
Applications	ITE		

Output data (UES12WU2-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES12WU2-120YYYSPA	12.0	0.01-1.0	300	Y	Y	82.96

Output data (UES12WV1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES12WV1-120YYYSPA	12.0	0.01-1.0	300	Y	Y	82.96

YYY:001-100 stands for current 0.01-1.00A

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3 Class A
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±6KV CM,
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%,0% of UT

Switching Power Adaptor
UES15L2-SPAZ Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 2KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W MAX		
Safety Standard	Meet CB(IEC62368-1), CCC(GB4349.1),cULus(UL62368-1)		
Weight	About 82g	Dimensions	62.0mm (L); 29.0mm (W); 40.3mm (H)
Applications	ITE		

Output data (UES15L2-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES15L2-240YYYSPAZ	24.0	0.01-0.60	240	Y	Y	83.92

YYY:001-060 stands for current 0.01-0.60A

Z: U-AC Plug for US
V-AC Plug for EU
D-AC Plug for Brazil
S-AC Plug for AU

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±2KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES18LZ2-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI
- Meet 6KV surge immunity

Input Voltage Range	90-264VAC	Operating Temperature	-5~45℃
Input Current	0.5A	Storage Temperature	-20~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W		
Safety Standard	CB(IEC62368-1), CE(EN62368-1), RCM(AS/NZS62368-1)		
Weight	80g	Dimensions	62.0mm (L); 29.0mm (W);40.0mm (H)
Applications	ITE		

Output data(UES18LZ2-SPA)

CB CE

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES18LZ2-120YYYSPA	12.0	0.01-1.50	200	Y	Y	85.45

YYY:001-150 stands for current 0.01-1.50A

Z: U-AC Plug for US
V-AC Plug for EU
B-AC Plug for UK
S-AC Plug for AU
S-AC Plug for CN

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES18LCP2-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI
- No Y design

Input Voltage Range	90-264VAC	Operation Temperature	-5~45℃
Input Current	0.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	cULus(UL62368-1), CE(EN62368-1), PSE(J62368-1), RCM(AS/NZS62368.1), CB(IEC62368-1), FCC(Part 15)		
Weight	About105g	Dimensions	70mm (L) ; 30.2mm (W) ; 55mm (H)
Applications	ITE		

Output data(UES18LCP2-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES18LCP2-120YYYSPA	12.0	0.01-1.50	200	Y	Y	85.45

YYY:001-150 stands for current 0.01-1.50A
CP-Changeable AC Plug

Standard

EMC standard	EN55032/CISPR22; EN55024/CISPR24
Conduction & Radiation	EN55032/CISPR22 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact
Radiated Immunity	IEC/EN 61000-4-3 3V/m
EFT/Burst	IEC/EN 61000-4-4 ±1KV
Surge	IEC/EN 61000-4-5 ±4KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES24A1-SPA Series

Features

- AC input voltage range 85-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	85-264VAC	Operating Temperature	-5~40℃
Input Current	0.8A	Storage Temperature	-45~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W		
Safety Standard	PSE(J62368-1)		
Weight	130g	Dimensions	87.5mm(L); 49.7mm(W); 27mm(H)
Applications	ITE		

Output data (UES24A1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES24A1-120YYYSPA	12.0	0.01-2.00	100	Y	Y	86.20

YYY:001-200 stands for current 0.01-2.00A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES24C-SPAZ Series

Features

- AC input voltage range 90-270VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-270VAC	Operating Temperature	12V2A(-40~ 55℃) ;12V1.5A(-40~60℃) ;12V1A(-40~65℃)
Input Current	0.8A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing, Meets 5000m Elevation
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CE(EN62368-1), PSE(J62368-1), KC(K60950-1), cULus(UL60950-1), CCC(GB4943.1), CB(IEC62368-1), FCC(Part 15)		
Weight	205g	Dimensions	109.5mm (L) ; 62.0mm (W) ; 31.5mm (H)
Applications	ITE		

Output data (UES24C-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES24C-120YYYSPAZ	12.0	0.01-2.00	150	Y	Y	86.8

YYY:001-200 stands for current 0.01-2.00A

Standard

EMC standard	EN55032/CISPR22; EN55024/CISPR24
Conduction & Radiation	EN55032/CISPR22 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact
Radiated Immunity	IEC/EN 61000-4-3 10V/m
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	ITU-T K.21/IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES24LZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/over temperature
- Energy efficiency level VI
- No Y design, touch current < 10μA

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	0.7A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing, Meets 5000m Elevation
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	cULus(UL62368-1), CCC(GB4943.1), CB(IEC62368-1), FCC(Part 15), CE(EN62368-1)		
Weight	About 125g	Dimensions	CN/US: 60.0mm (L) ;50.0mm (W) ; 29.5mm (H) UK: 70.0mm (L) ;50.0mm (W) ; 29.5mm (H)
Applications	ITE		

Output data (UES24LZ-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES24LZ-120YYYSPA	12.0	0.01-2.00	120	Y	Y	86.8

YYY:001-200 stands for current 0.01-2.00A

Z: C-AC Plug for CN
U-AC Plug for US
V-AC Plug for EU
B-AC Plug for UK
S-AC Plug for AU

Standard

EMC standard	EN55032/CISPR22; EN55024/CISPR24/FCC Part 15 Class B
Conduction & Radiation	EN55032/CISPR22 Class B/FCC Part 15 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±10KV Air, ±6KV Contact
Radiated Immunity	IEC/EN 61000-4-3 4V/m
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%,70%

Switching Power Adaptor
UES24LU4-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	0.8A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W Max		
Safety Standard	cULus(UL62368-1), FCC(Part 15), NOM(NOM-001-SCFI-2018), PSE(J62368-1), CB(IEC62368-1)		
Weight	About 140g	Dimensions	86.0mm (L); 32.0mm (W); 51.0mm (H)
Applications	ITE		

Output data (UES24LU4-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES24LU4-120YYYSPA	12.0	0.01-2.00	120	Y	Y	86.20

YYY:001-200 stands for current 0.01-2.0A
U-AC Plug for US

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%,0% of UT

Switching Power Adaptor
UES24W6-SPAZ Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

UES24W6-SPAZ

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃(12V2A), -10~55℃(12V1.6A)
Input Current	1.0A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W Max		
Safety Standard	CE(EN62368-1), CB(IEC62368-1), cULus(UL62368-1), EAC(IEC62368-1), NOM(NOM-001-SCFI-2018),		
Weight	140g	Dimensions	86.0mm (L); 32.0mm (W); 51.0mm (H)
Applications	ITE		

Output data (UES24W6-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES24W6-120YYYSPAZ	12.0	0.01-2.00	300	Y	Y	86.8

YYY:001-200 stands for current 0.01-2.00A

Z: U-AC Plug for US & JP
V-AC Plug for EU
B-AC Plug for UK

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 10V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 10Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES36AZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-5~40℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CE(EN62368-1), cULus(UL62368), CB(IEC62368-1), FCC(Part 15), BIS(IEC60950-1)		
Weight	About 180g	Dimensions	104.5mm (L) ; 49.5mm (W) ; 33.5mm (H)
Applications	ITE		

Output data (UES36AZ-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES36AZ-120YYYSPA	12.0	0.01-3.00	200	Y	Y	88.3

YYY:001-300 stands for current 0.01-3.00A.

Z: 1-C8
2-C6

Standard

EMC standard	EN55032/CISPR22; EN55024/CISPR24
Conduction & Radiation	EN55032/CISPR22 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±4KV Contact
Radiated Immunity	IEC/EN 61000-4-3 3V/m
EFT/Burst	IEC/EN 61000-4-4 ±1KV
Surge	IEC/EN 61000-4-5 ±6KV DM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES36B1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/over temperature
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CE(EN62368-1), cULus(UL62368-1), RCM(AS/NZS62368-1), PSE(J62368-1), CB(IEC62368-1), FCC(Part 15),EAC(IEC62368-1)		
Weight	About 210g	Dimensions	79.0mm (L) ;65.0mm (W) ; 30.5mm (H)
Applications	ITE		

Output data (UES36B1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES36B1-120YYYSPA	12.0	0.01-3.00	120	Y	Y	88.3

YYY:001-300 stands for current 0.01-3.0A.

Standard

EMC standard	EN55032/CISPR22; EN55035/CISPR24/FCC Part 15 Class B
Conduction & Radiation	EN55032/CISPR22 Class B/FCC Part 15 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±10KV Air, ±6KV Contact
Radiated Immunity	IEC/EN 61000-4-3 4V/m
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%,70%

Switching Power Adaptor
UES36D-SPA1

Features

- AC input voltage range 90-290VAC
- Protections against: short circuit/over current/over voltage
- Meet 8KV DM, 6KV CM Surge immunity
- Energy efficiency level VI

Input Voltage Range	90-290VAC	Operating Temperature	-10~55℃
Input Current	0.9A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.075W Max		
Safety Standard	CCC(GB4943.1)		
Weight	185g	Dimensions	110.0mm (L); 51.5mm (W); 33.0mm (H)
Applications	ITE		

Output data (UES36D-SPA1)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES36D-120YYYSPA1	12.0	0.01-3.00	120	Y	Y	88.3

YYY:001-300 stands for current 0.01-3.00A.

Standard

EMC standard	EN55032/CISPR32; EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KVAir, ±8KVContact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KVClass B
Surge	IEC/EN 61000-4-5 ±8KVDM, ±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 70%, 0%

Switching Power Adaptor
UES36LZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.075W MAX		
Safety Standard	CB(IEC62368-1), CE(EN62368-1), EAC(IEC62368-1), CCC(GB4943.1)		
Weight	About 180g	Dimensions	65.0mm (L) ;65.0mm (W) ; 29.5mm (H)
Applications	ITE		

Output data (UES36LZ-SPA)

CB CE EAC CCC

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES36LZ-120YYYSPA	12.0	0.01-3.00	120	Y	Y	88.3

YYY:001-300 stands for current 0.01-3.00A

Z:C-AC Plug for CN
U-AC Plug for US & JP
V-AC Plug for EU

Standard

EMC standard	EN55032/CISPR22;EN55024/CISPR24/FCCPart15 Class B
Conduction & Radiation	EN55032/CISPR22Class B/FCC Part 15 Class B
Harmonic Currents	IEC/EN61000-3-2 ClassA
Voltage Flicker	IEC/EN61000-3-3
ESD	IEC/EN61000-4-2 ±10KV Air, ±6KV Contact
Radiated Immunity	IEC/EN61000-4-3 4V/m
EFT/Burst	IEC/EN61000-4-4 ±2KV
Surge	IEC/EN61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN61000-4-6 4Vrms
Dips & Interruptions	IEC/EN61000-4-11 0%,40%,70%

Switching Power Adaptor
UES36LCP3-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity
- Energy efficiency level VI
- Interchangeable AC plugs

NEW

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.0A	Storage Temperature	-25~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217F
Standby Power	0.075W Max		
Safety Standard	CCC(GB4943.1), NRTL(UL62368-1), CE(EN62368-1), CB(IEC62368-1), RCM(AS/NZS62368-1), PSE(J62368-1), FCC(Part 15), PSB(IEC62368-1), BIS(IEC60950-1)		
Weight	About 150g	Dimensions	88.0mm (L); 30.0mm (W); 57.0mm (H)
Applications	ITE		

Output data (UES36LCP3-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES36LCP3-240YYYSPA	24.0	0.01-1.50	240	Y	Y	87.40

YYY:001-150 stands for current 0.01-1.50A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class A
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class A
Surge	IEC/EN 61000-4-5 ±4KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

Switching Power Adaptor
UES36W1-SPAZ Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

NEW

UES36W1-SPAZ

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	1.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	0.075W Max		
Safety Standard	EAC(IEC62368-1), CE(EN62368-1),UL(UL62368-1), NOM(NOM-001-SCFI-2018), PSB(IEC62368-1), CCC(GB4943.1)		
Weight	About 180g	Dimensions	88.0mm (L); 30.0mm (W); 57.0mm (H)
Applications	ITE		

Output data (UES36W1-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	VI 115	VI 230	Av. Eff. (%) Min
UES36W1-120YYYSPAZ	12.0	0.01-3.0	200	Y	Y	88.3

YYY:001-300 stands for current 0.01-3.00A.

Z: C-AC Plug for CN
U-AC Plug for US
V-AC Plug for EU
B-AC Plug for UK

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class A
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class A
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES48LZ1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- ESD ±15KV air and ±8KV contact
- Meet 4KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~40℃
Input Current	1.3A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.1W MAX		
Safety Standard	Meet CCC(GB4943.1)		
Weight	About 205g	Dimensions	65.0mm (L) ;65.0mm (W) ; 29.5mm (H)
Applications	ITE		

Output data (UES48LZ1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES48LZ1-120400SPA	12.0	0.01-4.00	200	Y	Y	87.76
UES48LZ1-190253SPA	19.0	0.01-2.53	300	Y	Y	87.76

Z: C-AC Plug for CN
U-AC Plug for US & JP

Standard

EMC standard	EN55032/CISPR22; EN55035/CISPR35 Class B
Conduction & Radiation	EN55032/CISPR22 Class B/FCCPart 15 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15KV Air, ±8KV Contact
Radiated Immunity	IEC/EN 61000-4-3 4V/m
EFT/Burst	IEC/EN 61000-4-4 ±2KV
Surge	IEC/EN 61000-4-5 ±2KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%,70%

Switching Power Adaptor
UES50D1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- ESD ±15KV air and ±8KV contact
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-5~45℃
Input Current	1.5A	Storage Temperature	-40~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W MAX		
Safety Standard	CE(EN62368-1), BSMI(CNS14336-1), CB(IEC62368-1), CCC(GB4943.1), FCC (Part 15), PSE(J62368-1), cULus(UL62368-1), RCM(AS/NZS62368-1), BIS(IEC60950-1)		
Weight	205g	Dimensions	100.0mm (L) ;55.0mm (W) ; 30.5mm (H)
Applications	ITE		

Out data (UES50D1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES50D1-XXXYYYSPA	50.0-56.0	0.01-0.90	500	Y	Y	89

Standard

EMC standard	EN55032/CISPR22; EN55035/CISPR35 Class B
Conduction & Radiation	EN55032/CISPR22 Class B/FCC Part 15 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±15kV Air, ±8kV Contact
Radiated Immunity	IEC/EN 61000-4-3 4V/m
EFT/Burst	IEC/EN 61000-4-4 ±2kV
Surge	IEC/EN 61000-4-5 ±6kV DM, ±6kV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%,70%

Switching Power Adaptor
UES63D1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operation Temperature	0~40℃
Input Current	1.5A	Storage Temperature	-20~70℃
Average Efficiency	Energy efficiency level VI	Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	CCC(GB4943.1), CE(EN62368-1), ETL(UL1310), RCM(AS/NZS 62368-1), CB(IEC62368-1), FCC(Part 15)		
Weight	About 260g	Dimensions	121.0mm (L) ;50.0mm (W) ;30.8mm (H)
Applications	ITE		

Output data (UES63D1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES63D1-540YYYSPA	54.0	0.01-1.17	300	Y	Y	89.00

YYY:001-117 stands for current 0.01-1.17A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8IV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

Switching Power Adaptor
UES65A1-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/over temperature
- Energy efficiency level VI
- Peak Load：6A（10ms）

Input Voltage Range	90-264VAC	Operation Temperature	-10~45℃
Input Current	1.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	≤0.15W		
Safety Standard	CE(EN62368-1), cULus(UL62368-1), RCM(AS/NZS 62368-1), PSE(J62368-1), FCC(Part 15), CB(IEC62368-1/IEC60065:2014), EAC(IEC 62368-1)		
Weight	About 270g	Dimensions	84.0mm (L) ;71.0mm (W) ; 30.5mm (H)
Applications	ITE		

Output data (UES65A1-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES65A1-240YYYSPA	24.0	0.01-2.71	300	Y	Y	89.5

YYY:001-271 stands for current 0.01-2.71A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±10KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM,±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 40%, 70% ,0% of UT

Switching Power Adaptor
UES80A-SPAC Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W MAX		
Safety Standard	CCC(GB4349.1)		
Weight	About 320g	Dimensions	145.2mm (L); 58.0mm (W); 33.5mm (H)
Applications	ITE		

Output data (UES80A-SPAC)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES80A-540YYYSPAC	54.0	0.01-1.48	300	Y	Y	88.91

YYY:001-148 stands for current 0.01-1.48A.

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES80DZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	1.5A	Storage Temperature	-20~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	BIS(IEC60950-1), CB(IEC62368-1), RCM(AS/NZS 62368-1), CE(EN62368-1), CCC(GB4943.1), NRTL(UL62368-1), FCC(Part 15)		
Weight	350g	Dimensions	156mm(L); 58mm(W); 33.5mm(H)
Applications	ITE		

Output data (UES80DZ-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES80DZ-540YYYSPA	54.0	0.01-1.48	540	Y	Y	89.00

YYY:001-148 stands for current 0.01-1.48A
Z: C14

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class A
Surge	IEC/EN 61000-4-5 ±2KV DM, ±4KV CM Class A
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES130DZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	2.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.21W Max		
Safety Standard	CB(IEC62368-1), CCC(GB4943.1), TUV SUD-NRTL(UL62368-1), BIS(IEC60950-1), PSB(IEC62368-1) RCM(AS/NZS62368-1), CE(EN62368-1), FCC(Part 15), PSE(J62368-1)		
Weight	About 360g	Dimensions	145.1mm (L); 69.5mm (W); 25.5mm (H)
Applications	ITE		

Output data(UES130DZ-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES130DZ-540YYYSPA	54.0	0.01-2.4	540	Y	Y	89.00

YYY:001-240 stands for current 0.01-2.4A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES140DZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 4KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	0~40℃
Input Current	2.5A	Storage Temperature	-20~80℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W		
Safety Standard	CCC(GB4943.1)		
Weight	520g	Dimensions	163mm (L); 69mm (W); 34mm (H)
Applications	ITE		

Output data(UES140DZ-SPA)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES140DZ-540YYYSPA	54.0	0.01-2.59	300	Y	Y	89.00

YYY:001-259 stands for current 0.01-2.59A

Z: 2&3
2-C6
3-C14

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class A
Surge	IEC/EN 61000-4-5 ±4KV DM,±4KV CM Class A
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

Switching Power Adaptor
UES150A-SPAZ Series

Features

NEW

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6.6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operating Temperature	-10~45℃
Input Current	2A MAX	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per Telcordia SR332
Standby Power	0.15W Max		
Safety Standard	CCC(GB4943.1)		
Weight	700g	Dimensions	180mm (L); 80mm (W); 41.5mm (H)
Applications	ITE		

Output data (UES150A-SPAZ)

CE CB

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⓥ 115	Ⓥ 230	Av. Eff. (%) Min
UES150A-560YYYSPAZ	56.0	0.01-2.68	500	Y	Y	89.00

YYY : 0. 01-2. 68 stands for current 0. 01-2.68A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±2KV Class A
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM Class A
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES150B-SPAC Series

Features

NEW

- AC input voltage range 170-264VAC
- Protections against: short circuit/over current/over voltage
- Meet 6KV surge immunity
- Energy efficiency level VI

Input Voltage Range	170-264VAC	Operating Temperature	-10~45℃
Input Current	2.5A MAX	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Operating Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W Max		
Safety Standard	CCC(GB4943.1)		
Weight	About 520g	Dimensions	163.0mm (L); 69.0mm (W); 34.0mm (H)
Applications	ITE		

Output data (UES150B-SPAC)

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 230	Av. Eff. (%) Min
UES150B-540YYYSPAC	54.0	0.01-2.78	300	Y	89.00

YYY : 0. 01-2.78 stands for current 0. 01-2.78A

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class A
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class A
Surge	IEC/EN 61000-4-5 ±6KV DM,±6KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES180AZ-SPA Series

Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- Energy efficiency level VI

Input Voltage Range	90-264VAC	Operation Temperature	-0~40℃
Input Current	2.5A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VI	Humidity	5% to 95% non condensing
Output Voltage Tolerance	±5%	MTBF	100,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W MAX		
Safety Standard	CE(EN62368-1), CB(IEC62368-1)		
Weight	540g	Dimensions	162mm (L) ;69.2mm (W) ; 31.5mm (H)
Applications	ITE		

Output data (UES180AZ)

CB CE

Model	Voltage (V)	Current (A)	Ripple (mV)	Ⅵ 115	Ⅵ 230	Av. Eff. (%) Min
UES180AZ-190YYYSPA	19.0	0.01-9.47	300	Y	Y	89.00
UES180AZ-240YYYSPA	24.0	0.01-7.50	300	Y	Y	89.00

UES180AZ-XXXYYYSPA:XXX: 190&240 stands for voltage 19.0&24.0V
YYY: 001-947stands for current 0.01-9.47A

Z: 2&3
2-C6
3-C14

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 4V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class A
Surge	IEC/EN 61000-4-5 ±1KV DM, ±2KV CM Class A
Conducted Immunity	IEC/EN 61000-4-6 4Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

Switching Power Adaptor
UES300-SPAZ Series

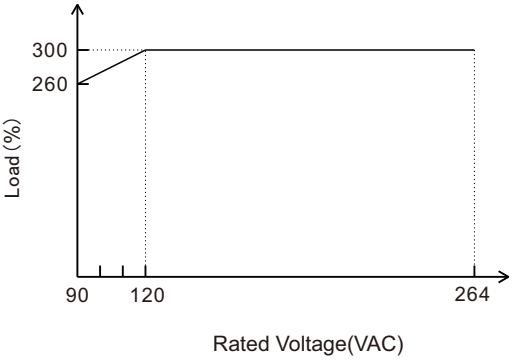
Features

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage/ undervoltage protection
- Active power factor correction, PF>0.9
- Energy efficiency level VII
- Meet 4KV surge immunity
- Convection cool

Input Voltage Range	90-264VAC	Operating Temperature	-20~60℃
Input Current	4.0A	Storage Temperature	-40~70℃
Average Efficiency	Energy efficiency level VII	Operating Humidity	5% to 90% non condensing
Output Voltage Tolerance	±5%	MTBF	200,000 hours at full load at 25℃ ambient, calculated per MIL-HDBK-217
Standby Power	0.15W Max		
Safety Standard	Meet CE(EN62368-1)		
Weight	About 850g	Dimensions	184.7mm (L); 87.0mm (W); 23.0mm (H)
Applications	ITE		

Output data(UES300-SPAZ)

Model	Voltage (V)	Current (A)	Ripple (mV)	Av. Eff. (%) Min
UES300-190YYYSPAZ	19.0V	0.01-15.78A	200mV	92.5%
UES300-200YYYSPAZ	20.0V	0.01-15.0A	200mV	93%
UES300-210YYYSPAZ	21.0V	0.01-14.28A	200mV	93%
UES300-220YYYSPAZ	22.0V	0.01-13.66A	200mV	93%
UES300-230YYYSPAZ	23.0V	0.01-13.04A	200mV	93%
UES300-240YYYSPAZ	24.0V	0.01-12.5A	200mV	93%
UES300-480YYYSPAZ	48.0V	0.01- 6.25A	500mV	93.5%
UES300-490YYYSPAZ	49.0V	0.01- 6.12A	500mV	93.5%
UES300-500YYYSPAZ	50.0V	0.01- 6.0A	500mV	93.5%
UES300-510YYYSPAZ	51.0V	0.01- 5.88A	500mV	93.5%
UES300-520YYYSPAZ	52.0V	0.01- 5.76A	500mV	93.5%
UES300-530YYYSPAZ	53.0V	0.01- 5.66A	500mV	93.5%
UES300-540YYYSPAZ	54.0V	0.01- 5.55A	500mV	93.5%
UES300-550YYYSPAZ	55.0V	0.01- 5.45A	500mV	93.5%
UES300-560YYYSPAZ	56.0V	0.01- 5.35A	500mV	93.5%



YYY:001-F78 stands for current 0. 01A-15. 78A
Z: 1-C8
2-C6
3-C14
4-C18

Standard

EMC standard	EN55032/CISPR32;EN55035/CISPR35
Conduction & Radiation	EN55032/CISPR32 Class B
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±8KV Air, ±6KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±4KV DM, ±4KV CM
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class A
Dips & Interruptions	IEC/EN 61000-4-11 0%, 70%, 0% of UT

UE Electronic

Charger
UES1260-SPA3

产品特性

- AC input voltage range 90-264VAC
- Protections against: short circuit/over current/over voltage
- DC output voltage 60-84VDC
- The screen displays charging information

Input Voltage Range	90-264VAC	Operating Temperature	-20~50℃
Input Current	10A	Storage Temperature	-30~80℃
Full load efficiency	90% MIN	Operating Humidity	5% to 90% non condensing
Output Voltage	60-84V	MTBF	200,000 hours at full load at 25℃ ambient, calculated per Telcordia_SR-332
Standby Power	3.0W Max		
Safety Standard	Meet CE(EN60335)		
Weight	About 1930g	Dimensions	250.0mm (L); 158.0mm (W); 78.0mm (H)
Applications	Lead-acid batteries, Lithium batteries		

Output data (UES1260-SPA3)

Model	Voltage (V)	Current (A)	Ripple (mV)	Av. Eff. Min (%)	Input Voltage (VAC)
UES1260-8401500SPA3	60.0-84.0	15	500	92.00	180.0-240.0
UES1260-8401500SPA3	60.0-84.0	10	500	90.00	100.0-170.0

Standard

Conduction & Radiation	EN55014 Class A
Harmonic Currents	IEC/EN 61000-3-2 Class A
Voltage Flicker	IEC/EN 61000-3-3
ESD	IEC/EN 61000-4-2 ±6KV Air, ±8KV Contact Class B
Radiated Immunity	IEC/EN 61000-4-3 3V/m Class B
EFT/Burst	IEC/EN 61000-4-4 ±1KV Class B
Surge	IEC/EN 61000-4-5 ±1KV P-N,±2KV P/N-PE
Conducted Immunity	IEC/EN 61000-4-6 3Vrms Class B
Dips & Interruptions	IEC/EN 61000-4-11 100% 100% 30% Dip, 100% Int

LED Driver
UE020LCP/UE020LCP1 Series

Features

- Wide range of AC input voltage 90-264VAC
- Protections against: short circuit/over current
- IP20 design for indoor application
- Non constant current function
- Meets ERP(EU)2019/2020 energy efficiency standard
- Changeable AC plugs for universal use
- Output match DC Jack/DC Cable
- Fireproof plastic housing

UE020LCP UE020LCP1

Input Voltage Range	90-264VAC	Standby Power	≤0.3W
Efficiency	≥82%(Typ)	Humidity	5~95% RH
		MTBF	≥100,000 hours，MIL-HDBK-217F(25℃)
Operation Temperature	0~40℃	Safety Standard	CCC(GB19510), cULus(UL8750), CE(EN613471), FCC(Part 15), EAC(IEC61347-1), PSE(J61347-1), KC(KC61347-1), RCM(AS/NZS61347), TUV-GS(EN61347)
Storage Temperature	-25~70℃	EMC Standard	EN55015(230Vac)/FCC Part 15(115Vac)
Weight	150g	Dimensions	UE020LCP:100.0mm (L) ×47.0mm (W) ×38.5mm (H)
			UE020LCP1：100.0mm (L) ×47.0mm (W) ×38.5mm (H)
Applications	Indoor lamps ， LED Driver		

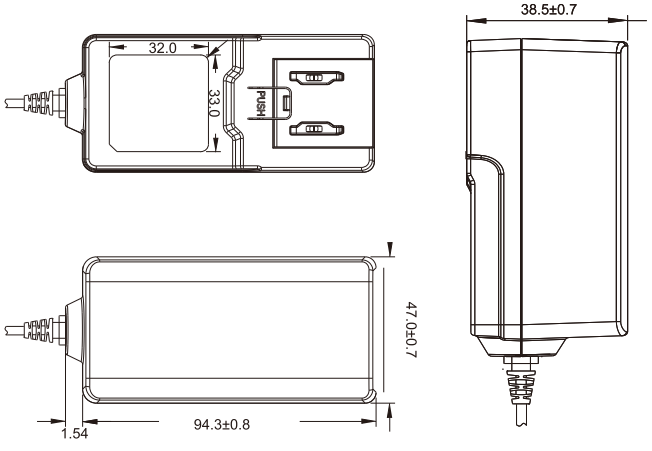
Products

UE020LCP1(20W)

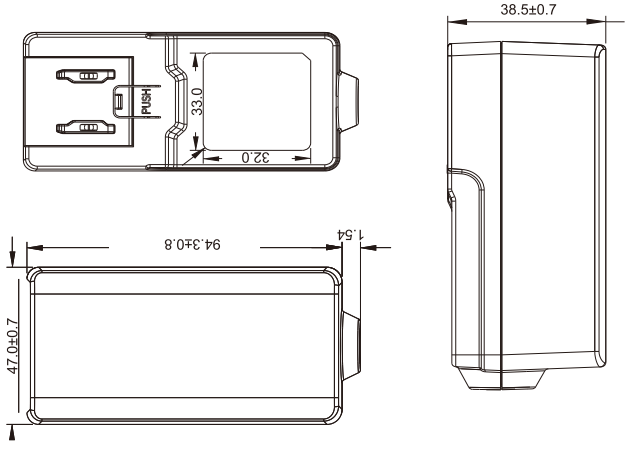
Series	Model	Output	Voltage Range	Eff.	Ripple
C.V. Mode	UE020LCP-XXXYYYSPA UE020LCP1-XXXYYYSPA	9V, 0-2.00A	±6%	77.40%	240mV
		10V~12V, 0-1.5A	±5%	73.00%	240mV
		13~15V, 0-1.3A	±5%	77.40%	240mV
		18V~24V, 0-0.83A	±5%	82.00%	240mV

Mechanical Drawings

UE020LCP



UE020LCP1



LED Driver
UEL036LCP-E1 Series

Features

- Wide range of output power with high efficiency
- Wide range of AC input voltage 90-264VAC
- Protections against: short circuit/over current/over voltage/over load
- Meets 2KV surge immunity
- Standardized module, easy to install and maintain
- LED load less than 100%
- Changeable AC plugs for universal use
- Output match DC Jack

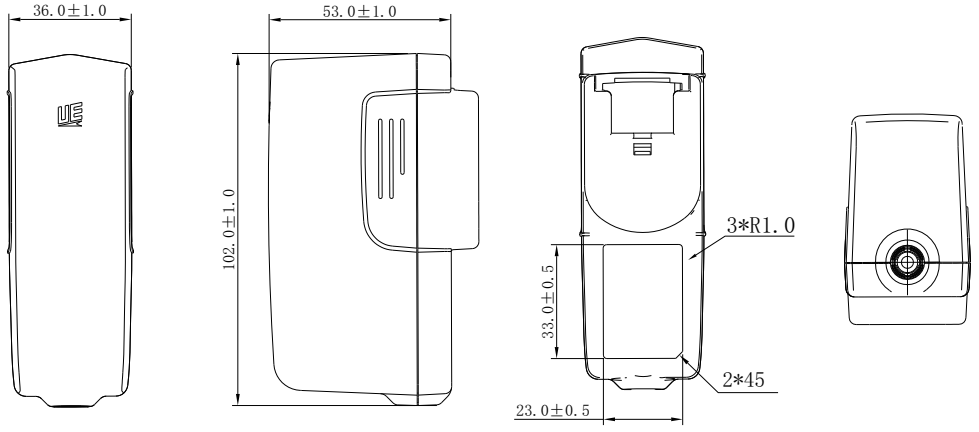
Input Voltage Range	90-264VAC	Power Factor	＞0.9
Efficiency	87%~88%	Humidity	5%~95% RH
THD	＜20%	MTBF	≥200,000 Hours, MIL-HDBK-217F(25℃)
Operation Temperature	-10~40℃	Safety Standard	CCC(GB19510), cULus(UL8750), CE(EN613471), FCC(Part 15), EAC(IEC61347-1), PSE(J61347-1), KC(KC61347-1)
Storage Temperature	-40~70℃	EMC Standard	Meet EN55015, EN61547, EN61000, GB17743, GB17625, FCC PART15
Weight	300g	Dimensions	102mm (L)； 53mm (W)； 36mm (H)
Applications	Table Lamp, Ceiling Light, Panel Light		

Products

UEL036LCP-E1 (36W Max)

Series	Model	Output	Voltage Range	Eff.	Ripple
C.V. Mode	UEL036LCP-S048075-E1	48V,0-0.75A	±5%	88%	5%Vo
	UEL036LCP-S036100-E1	36V,0-1.00A	±5%	87%	5%Vo
	UEL036LCP-S024150-E1	24V,0-1.50A	±5%	87%	5%Vo

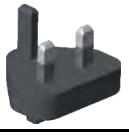
Mechanical Drawings



Changeable AC Plug (Second generation)

Category	Diagram	Remark
China (CCC)		
Model	20100441 LCP-CCC-A CCC Plug Parts PC Black 94V-0 RoHS+PAHS	
USA，Canada，Mexico (cULus) Japan (PSE) Taiwan (BSMI)		
Model	20100421 LCP-UL-A PC Black 94V-0 UL Plug Parts RoHS+PAHS	
Europe (VDE)		
Model	20100681 LCP-VDE1 VDE Plug Parts PC Black 94V-0 RoHS+PAHS	
Korea (KC)		
Model	20100761 LCP-KC KC Plug Parts PC Black 94V-0 RoHS+PAHS	
Australia (SAA)		
Model	20100341 LCP-SAA SAA Plug Parts PC Black 94V-0 RoHS+PAHS	
UK (BSI) Singapore (PSB) Malaysia(ST)		
Model	20100351 LCP-BSI BSI Plug Parts PC Black 94V-0 Lron Ground Connection Foot inΦ2.0*22mm Small steel nail RoHS+PAHS	
Brazil (NBR)		
Model	20100771 LCP-NBR NBR Plug Parts PC Black 94V-0 RoHS+PAHS	
India(BIS)		
Model	20101071 LCP-INDIA INDIA Plug Parts PC Black 94V-0 RoHS+PAHS	
South Africa (SABS, SABS-15)	 	
Model	20101181 LCP-6SABS 6SABS Plug Parts PC Black 94V-0 RoHS+PAHS 20100821 LCP-SABS SABS Plug Parts PC Black 94V-0 RoHS+PAHS	
C8		
Model	20100701 LCP-C8Parts PC Black 94V-0 RoHS+PAHS	

Changeable AC Plug(New, for IP22)

Category	Diagram	Remark
China (CCC)		
Model	20100881 LCP4-CCC CCC Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
USA，Canada，Mexico (cULus) Japan (PSE) Taiwan (BSMI)		
Model	20100891 LCP4-UL UL Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
Europe (VDE)		
Model	20100851 LCP4-VDE VDE Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
Korea (KC)		
Model	20100921 LCP4-KC KC Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
Australia (SAA)		
Model	20100861 LCP4-SAA SAA Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
UK (BSI) Singapore (PSB) Malaysia(ST)		
Model	20100871 LCP4-BSI BSI Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
Brazil (NBR)		
Model	20100931 LCP4-NBR NBR Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
India(BIS)		
Model	20100911 LCP4-INDIA INDIA Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	
South Africa (SABS, SABS-15)	 	
Model	20100941 LCP4-6SABS 6SABS Plug Parts PC Black FR6005 94V-0 RoHS+PAHS (DA-SABS) 20100951 LCP4-SABS SABS Plug Parts PC Black FR6005 94V-0 RoHS+PAHS (XIAO-SABS)	
Argentina (IRAM)		
Model	20100901 LCP4-IRAM IRAM Plug Parts PC Black FR6005 94V-0 RoHS+PAHS	

UE Safety Mark List

No.	Country	Certification Logo	Remark
1	China		CCC
2	China		CQC
3	China		TLC
4	USA		FCC
5	USA&Canada		UL
6	USA&Canada		UL (Medical Power)
7	USA&Canada		NRTL
8	USA&Canada		CSA
9	Germany		TUV-GS
10	Germany		TUV-Mark
11	European Union		CE
12	Argentina		S-Mark
13	Australia		RCM
14	Brazil		INMETRO
15	India		BIS
16	Japan		PSE
17	Korea		KC
18	Mexico		NOM
19	Russia		EAC
20	Singapore		PSB
21	Taiwan		BSMI

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