UE Electronic

Switching Power charger
Desktop style

Universal 240 Watts - UES240E-SPCZ
Universal 240 Watts - UES240F-SPCZ

IP42 Class I & II

Product Features

GaN NEW

- Meets medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VII
- ≤ 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

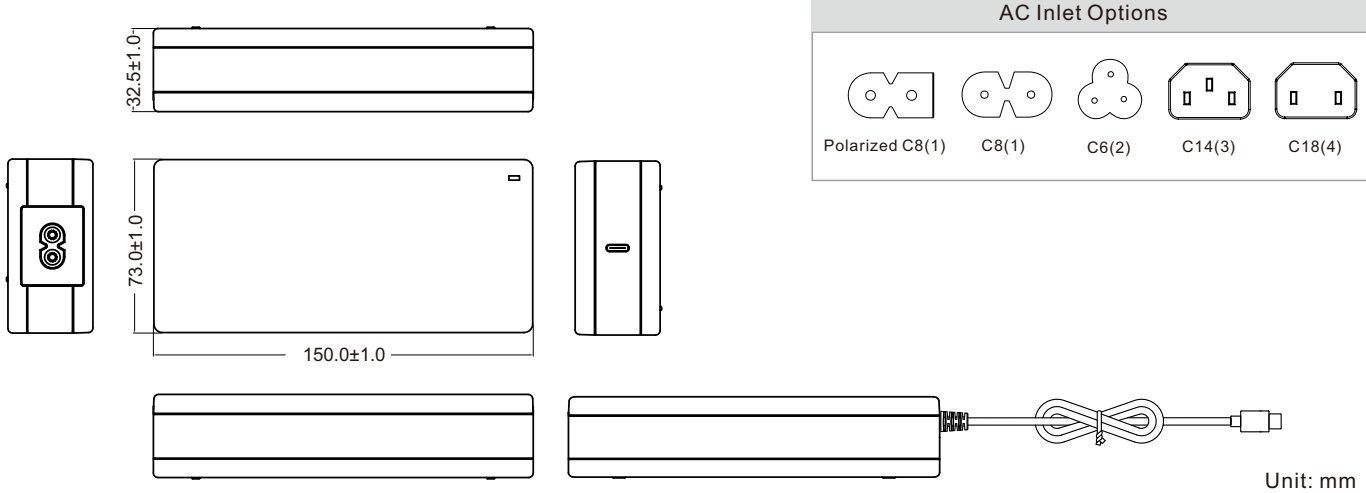


Models & Parameters

Model Number	Voltage (*1) (V)	Current (A)	Rated Power	Ripple & Noise (max)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES240E-SPCZ UES240F-SPCZ	5.0	0.01-3.00	15.00W	250mVpk-pk	±5%	Line: ±2% Load: ±5%	82.0%	≤3s
	9.0	0.01-3.00	27.00W	250mVpk-pk	±5%		87.3%	≤3s
	12.0	0.01-3.00	36.00W	250mVpk-pk	±5%		88.3%	≤3s
	15.0	0.01-3.00	45.00W	250mVpk-pk	±5%		88.9%	≤3s
	20.0	0.01-5.00	100.00W	300mVpk-pk	±5%		89.5%	≤3s
	28.0	0.01-5.00	140.00W	350mVpk-pk	±5%		90.0%	≤3s
	36.0	0.01-5.00	180.00W	350mVpk-pk	±5%		91.0%	≤3s
	48.0	0.01-5.00	240.00W	400mVpk-pk	±5%		91.5%	≤3s

Model encoding:
Replace "Z" with "1" for C8 (Class II), "2" for C6 (Class I), "3" for C14 (Class I), "4" for C18 (Class II) AC inlets
UES240E-SPCZ with output terminal Type-C, UES240F-SPCZ with DC cable

Mechanical Details



Notes
(*1) Other options are available, please contact our sales representative for details.

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Input

Input Voltage Range	90-264VAC(Class I);80-264VAC(Class II)
Frequency Range	47-63Hz
Input Current	4.0A max at 80VAC
Touch Leakage Current (max)	≤ 100μA at 264VAC

Environmental

Operating Temperature	-10℃ to 40℃
Storage Temperature	-20℃ to 80℃
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Dimensions	150.0(L) 73.0(W) 32.5(H)mm
Weight	650g±15g
MTBF	>100,000hrs Telcordia_SR-332 at 25℃

Protection

Overload	105-140% rated output power, auto recovery
Over Voltage	110-130% rated output voltage input to reset
Short Circuit	Trip and restart (hiccup mode)

Safety Meet

Safety Agency / Mark	Medical	ITE
CB	IEC60601-1/IEC60601-1-11	IEC62368-1
UL	ANSI/AAMI ES60601-1/60601-1-11 CAN/CSA-C22.2 NO. 60601-1	UL62368-1 CAN/CSA C22.2 NO.62368-1
TüV-SUD/Mark	EN60601-1/60601-1-11	-
CE	-	EN62368
FCC	-	FCC PART 15
		-

EMC

Emission	Medical	ITE
Conduction	IEC/EN60601-1-2,CISPR 11	EN55032,CISPR 32
Radiation	IEC/EN60601-1-2,CISPR 11	EN55032,CISPR 32
Harmonic Currents	EN61000-3-2, Class A	EN61000-3-2, Class A
Voltage Flicker	EN61000-3-3	EN61000-3-3
Immunity	**IEC/EN60601-1-2**	**EN55035, CISPR 35**
ESD	IEC61000-4-2	±15KV air, ±8KV contact
Radiated Immunity	IEC61000-4-3	3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC61000-4-4	±2KV on AC port, ±1KV on signal ports
Surge	IEC61000-4-5	±2KV line to Neutral ,±4KV line/Neutral to GND
Conducted Immunity	IEC61000-4-6	3Vrms, 6Vrms (0.15MHz-80MHz)
Magnetic Field	IEC61000-4-8	30 A/m
Dips & Interruptions	IEC61000-4-11	0%, 70%, 0% of UT

Others

Dielectric Withstand Voltage	4000VAC input to output
Insulation Resistance	100M Ohms, 500VDC input to output