UE Electronic

Switching Power charger
Wall plug style

Universal 100 Watt - UES100LCP2-SPC Series

IP42 Class II

Product Features

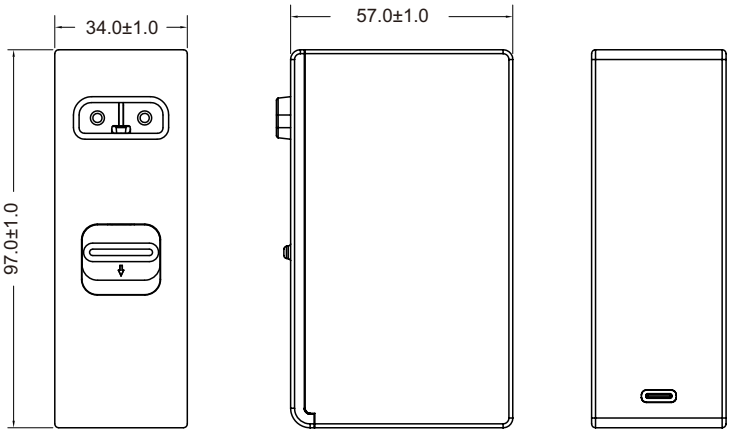


- Meets medical & I.T.E. safety approvals
- 2 MOPP input to output isolation
- Leakage current ≤ 100μA
- Energy efficiency level VI
- ≤0.15W standby power
- 5V/9V/12V/15V/20V outputs, up to 100W
- Up to 5,000m operating altitude
- Optional interchangeable plug design
- GaN technology
- Meet USB PD3.1&PD3.0&QC4.0+&QC3.0&QC2.0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

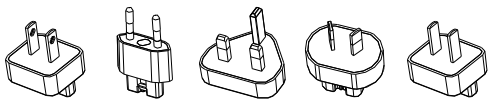
Models & Parameters

Model Number	Voltage (*1) (V)	Current (A)	Rated Power	Ripple & Noise (max)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES100LCP2-SPC	5.0	0.01-3.00	15.00W	200mVpk-pk	±5%	Line: ±1% Load: ±5%	82.0%	≤3s
	9.0	0.01-3.00	27.00W	200mVpk-pk	±5%		86.8%	≤3s
	12.0	0.01-3.00	36.00W	200mVpk-pk	±5%		87.5%	≤3s
	15.0	0.01-3.00	45.00W	200mVpk-pk	±5%		88.0%	≤3s
	20.0	0.01-5.00	100.0W	250mVpk-pk	±5%		89.0%	≤3s

Mechanical Details



Interchangeable AC Plug Options (*2)



Unit: mm

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

Input

Input Voltage Range	80-264VAC
Frequency Range	47-63Hz
Input Current	1.8A at 80VAC
Inrush Current	100A max at 240VAC cold start
Touch Leakage Current (max)	≤ 100μA at 264VAC

Environmental

Operating Temperature	0℃ to 40℃
Storage Temperature	-40℃ to 80℃
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Dimensions	97.0(L) 34.0(W) 57.0(H)mm
Weight	290g±10g
MTBF	>100,000hrs MIL-HKBK-217 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	-	EN62368-1

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	10V/m ,3V/m 80MHz - 2.7GMHz
EFT/Burst	IEC61000-4-4	±2KV on AC port, ±1KV on signal ports
Surge	IEC61000-4-5	±1KV line to line ,±2KV line 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	10M Ohms, 500VDC input to output