

Product Features

- Medical & I.T.E. safety approvals
- Touch current : $\leq 100\mu\text{A}$
- Energy efficiency level VI
- $\leq 0.1\text{W}$ standby power
- 5.0V-20.0V outputs, up to 30W
- Up to 5,000m operating altitude
- Support PD3.0,PPS,QC4.0,FCP,SCP fast charging protocol

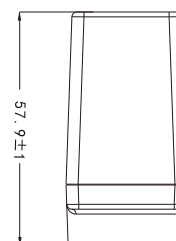
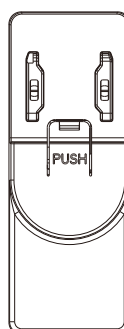
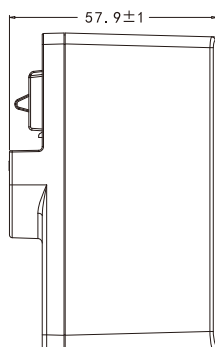
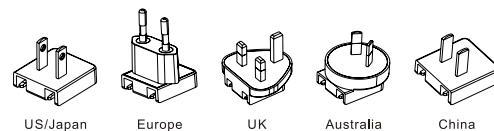


Models & Parameters

Model Number	Voltage ^(*1) (V)	Current (A)	Rated Power	Ripple & Noise (max) ^(*2)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES30LCP1-SPC	5.0	0.01-3.00	15.00W	400mVpk-pk	$\pm 5\%$	Line: $\pm 2\%$ Load: $\pm 5\%$	81.38%	$\leq 3\text{s}$
	9.0	0.01-3.00	27.00W	400mVpk-pk	$\pm 5\%$		86.62%	$\leq 3\text{s}$
	12.0	0.01-2.50	30.00W	400mVpk-pk	$\pm 5\%$		86.95%	$\leq 3\text{s}$
	15.0	0.01-2.00	30.00W	400mVpk-pk	$\pm 5\%$		86.95%	$\leq 3\text{s}$
	20.0	0.01-1.50	30.00W	400mVpk-pk	$\pm 5\%$		86.95%	$\leq 3\text{s}$

Mechanical Details

Interchangeable AC Plug Options^(*3)



Unit: mm

Notes

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

(*2) Measured at output connector with 20MHz bandwidth and 0.1uF ceramic in parallel with 10uF electrolytic capacitors

Input

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	0.7A at 90VAC
Inrush Current	80A max at 240VAC cold start
Touch Leakage Current ^(max)	≤100μA at 264VAC

Environmental

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 80°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 95% RH
Operating Altitude	5,000m

General

Dimensions	80(L)x30(W)x57.9(H)mm
Weight	100g
MTBF	>100,000hrs MIL-HDBK-217 at 25°C

Protection

Over Current	105-150% rated full load
Over Voltage	25V max
Short Circuit	auto recovery

Safety Approvals

Safety Agency / Mark	Medical(Meet)	ITE(Meet)
CB	IEC60601-1	IEC62368-1
UL	ANSI/AAMI ES60601-1	UL62368-1
TüV SUD/Mark	CAN/CSA C22.2 NO. 60601-1	CAN/CSA C22.2 NO. 62368-1
TüV SUD/GS	EN60601-1	-
CE	-	EN62368-1
CCC	-	EN62368-1
FCC	-	GB4943.1
		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	En55024, 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	±4KV DM/CM
Conducted Immunity	IEC61000-4-6	3Vrms, 6Vrms (0.15MHz-80MHz)

Others

Dielectric Withstand Voltage	4,242VDC input to output
Insulation Resistance	100M Ohms, 500VDC input to output