



IP20 Class II (VI)

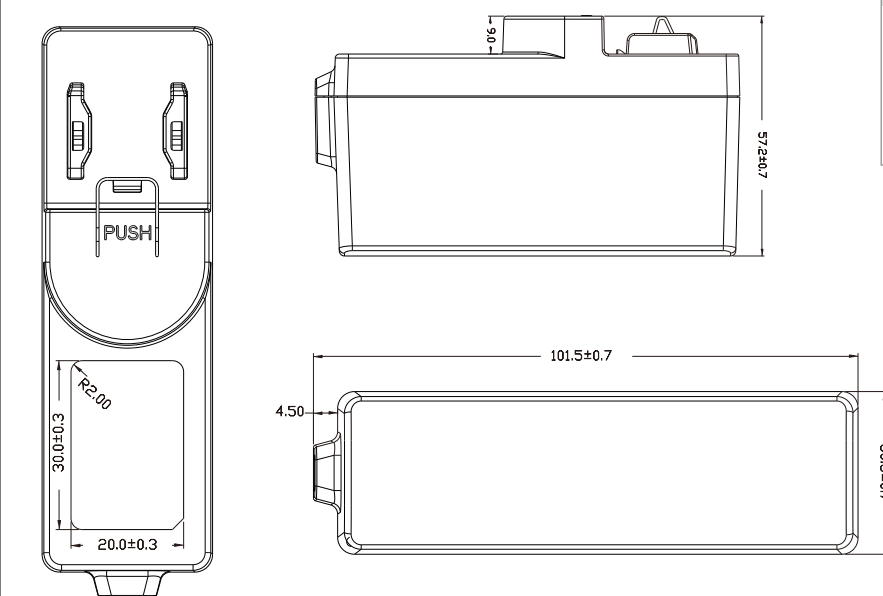
Product Features

- Medical & ITE safety approvals
- 2 MOPP input to output isolation
- Low leakage current $\leq 100\mu\text{A}$
- DOE efficiency level VI
- CoC V5 Tier 2(2016)
- $\leq 0.075\text{W}$ standby power
- 5V outputs, up to 15W
- Up to 5,000m operating altitude
- Interchangeable AC plugs


Models & Ratings


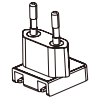



Model Number	Voltage ^(*1) (V)	Current (A)	Rated Power	Ripple & Noise (max) ^(*2)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES18LCPU-XXXXYYSPA	5.0	0.01-3.00	15W	200mVpk-pk	$\pm 6\%$	Line: $\pm 1\%$ Load: $\pm 5\%$	81.84% ^(*3)	$\leq 3\text{s}$

Mechanical Details



Dimensions: 101.5±0.7, 57.2±0.7, 30.3±0.7, 4.50, 30.0±0.3, 20.0±0.3, R2.00, 9.0

Interchangeable AC Plug Options^(*4)

US/Japan
Europe
UK
Australia
China

Unit: mm

Notes

- (*1, 4) 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.
 (*3) Meets energy efficiency level V only.

Input

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	0.5A at 90VAC
Inrush Current	70A max at 240VAC cold start
Touch Leakage Current ^(max)	≤100μA at 264VAC

Environmental

Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to 60°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Dimensions	101.5(L)x30(W)x57(H)mm
Weight	145g
MTBF	>100,000hrs MIL-HDBK-217 at 25°C
Isolation	4,000VAC Input to Output

Protection

Overload	120-150% rated output power, auto recovery
Over Voltage	120-150% rated output voltage input to reset
Short Circuit	Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark	Medical	ITE
CB	IEC60601-1	IEC60950-1 IEC62368-1
UL	ANSI/AAMI ES60601-1 CAN/CSA C22.2 NO. 60601-1	UL62368-1 CAN/CSA C22.2 NO. 62368-1
TüV Rheinland/Mark	EN60601-1	-
TüV Rheinland/GS	-	EN62368-1 EN60950-1
CCC	-	GB4943.1
CE	-	EN62368
PSE	-	J62368
FCC	-	FCC PART 15

EMC

Emissions	Medical	ITE
Conducted	IEC/EN 60601-1-2, CISPR 11	EN55032, CISPR 32
Radiated	IEC/EN 60601-1-2, 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/EN 60601-1-2	EN55024, CISPR 24
ESD	EN61000-4-2	±15kV air, ±8kV contact
Radiated Immunity	EN61000-4-3	10V/m, 3V/m 80MHz - 2700MHz
EFT/Burst	EN61000-4-4	±2kV on AC port, ±1kV on signal ports
Surge	EN61000-4-5	±2KV line to line (diff mode)
Conducted Immunity	EN61000-4-6	3Vrms, 6Vrms (0.15MHz-80MHz)
Magnetic Field	EN61000-4-8	30 A/m
Dips & Interruptions	EN61000-4-11	0%, 70%, 0% of UT

Others

Dielectric Withstand Voltage	5,656VDC input to output
Insulation Resistance	100M Ohms, 500VDC input to output