



IP20 Class II (V)

### Product Features

- Medical & ITE safety approvals
- 2 MOOP input to output isolation
- Suitable for medical equipment up to class BF<sup>(^)</sup>
- Low leakage current  $\leq 100\mu\text{A}$
- Efficiency level V
- $\leq 0.3\text{W}$  standby power
- 3V to 18V outputs, up to 8W
- Up to 2,000m operating altitude
- Interchangeable AC plugs



### Models & Ratings

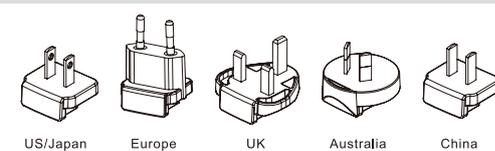
Model Number	Voltage <sup>(*1)</sup> (V)	Current (A)	Rated Power	Ripple & Noise (max) <sup>(*2)</sup>	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UE08WCP-030YYYYSPA	3.0	0.1-2.00	6.0W	150mVpk-pk	$\pm 10\%$	-	-	$\leq 3\text{s}$
UE08WCP-033YYYYSPA	3.3	0.1-2.00	3.3W	150mVpk-pk	$\pm 10\%$	-	-	$\leq 3\text{s}$
UE08WCP-042YYYYSPA	4.2	0.1-1.90	4.2W	150mVpk-pk	$\pm 5\%$	-	-	$\leq 3\text{s}$
UE08WCP-050YYYYSPA	5.0	0.1-1.60	5.0W	150mVpk-pk	$\pm 5\%$	-	-	$\leq 3\text{s}$
UE08WCP-055YYYYSPA	5.5	0.1-1.45	5.5W	150mVpk-pk	$\pm 5\%$	-	-	$\leq 3\text{s}$
UE08WCP-057YYYYSPA	5.7	0.1-1.40	5.7W	150mVpk-pk	$\pm 5\%$	-	-	$\leq 3\text{s}$
UE08WCP-060YYYYSPA	6.0	0.1-1.33	6.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-065YYYYSPA	6.5	0.1-1.23	6.5W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-070YYYYSPA	7.0	0.1-1.13	7.0W	150mVpk-pk	$\pm 5\%$	Line: $\pm 2\%$	75.31%	$\leq 3\text{s}$
UE08WCP-075YYYYSPA	7.5	0.1-1.05	7.5W	150mVpk-pk	$\pm 5\%$	Load: $\pm 5\%$	75.31%	$\leq 3\text{s}$
UE08WCP-080YYYYSPA	8.0	0.1-1.00	8.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-085YYYYSPA	8.5	0.1-0.94	8.5W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-090YYYYSPA	9.0	0.1-0.88	9.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-105YYYYSPA	10.5	0.1-0.76	10.5W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-120YYYYSPA	12.0	0.1-0.66	12.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-125YYYYSPA	12.5	0.1-0.64	12.5W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-138YYYYSPA	13.8	0.1-0.57	13.8W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-150YYYYSPA	15.0	0.1-0.53	15.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$
UE08WCP-180YYYYSPA	18.0	0.1-0.44	18.0W	150mVpk-pk	$\pm 5\%$	-	75.31%	$\leq 3\text{s}$

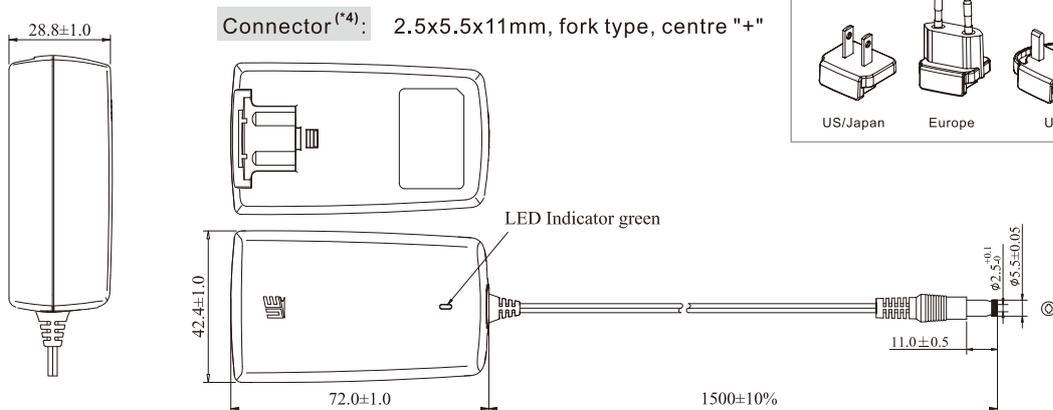
### Mechanical Details

DC Cable<sup>(\*3)</sup>: UL2468 24AWG 1,500mm

Connector<sup>(\*4)</sup>: 2.5x5.5x11mm, fork type, centre "+"

Interchangeable AC Plug Options<sup>(\*5)</sup>





Unit: mm

Notes  
 (\*1, 3, 4, 5) 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.  
 (^) Power supplies are not medical equipment (applied parts), medical product manufacturers shall take responsibility for further evaluation of class B/BF/CF compliance of their end product.

**Input**

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	0.4A at 100-240VAC
Inrush Current	30A max at 240VAC cold start
Touch Leakage Current <sup>(max)</sup>	≤100µA at 264VAC

**Environmental**

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	2,000m

**General**

Dimensions	72(L)x42.4(W)x28.8(H)mm
Weight	90.6g
MTBF	>100,000hrs MIL-HDBK-217 at 25°C
Isolation	4,000VAC Input to Output

**Protection**

Overload	120-200% rated output power, auto recovery
Over Voltage	120-200% 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
UL	UL60601-1	UL60950-1
TUV	EN60601-1	EN60950-1
CCC	-	GB4943.1
KC	-	K60950-1(3-6V)

**EMC**

Emissions	Medical	ITE
Conducted	IEC/EN 60601-1-2, CISPR 11	EN55022, CISPR 22
Radiated	IEC/EN 60601-1-2, CISPR 11	EN55022, CISPR 22
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	3V/m 80MHz - 2500MHz
EFT/Burst	EN61000-4-4	±2kV on AC port, ±1kV on signal ports
Surge	EN61000-4-5	±1KV line to line (diff mode)
Conducted Immunity	EN61000-4-6	3Vrms (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	10M Ohms, 500VDC input to output