

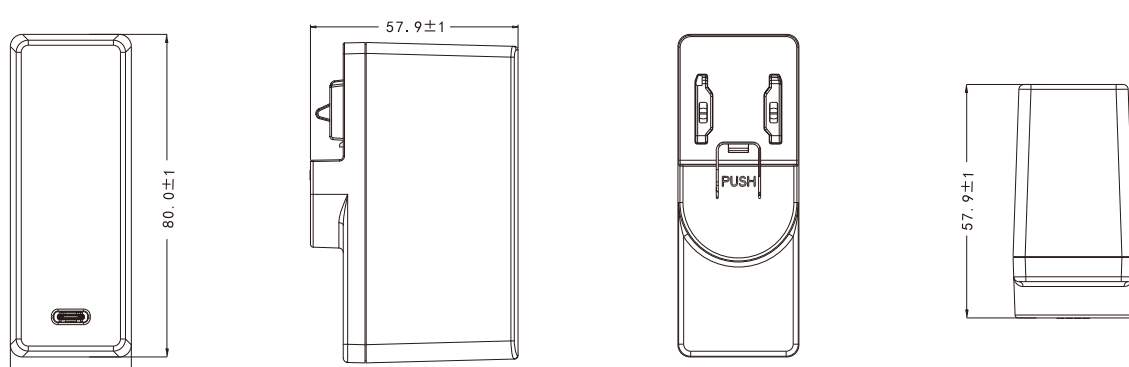

Product Features

- Meet medical & I.T.E. safety approvals
- Leakage 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 PD2.0, PD3.0, PPS, QC2.0, QC3.0, QC4.0 fast charging protocol


Models & Parameters

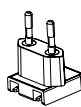
| Model Number | Voltage ^(*) (V) | Current (A) | Rated Power | Ripple & Noise (max) ^(*) | Voltage Tolerance | Line & Load Regulation | Efficiency (Average) | Start Up Delay |
|---------------|-------------------------------|----------------|-------------|--|-------------------|------------------------------------|-------------------------|------------------|
| UES30LCP1-SPC | 5.0 | 0.01-3.00 | 15.00W | 150mVpk-pk | $\pm 5\%$ | Line: $\pm 2\%$ Load: $\pm 5\%$ | 81.38% | $\leq 3\text{s}$ |
| | 9.0 | 0.01-3.00 | 27.00W | 270mVpk-pk | $\pm 5\%$ | | 86.62% | $\leq 3\text{s}$ |
| | 12.0 | 0.01-2.50 | 30.00W | 360mVpk-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^(*)


US/Japan


Europe


UK


Australia


China

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. Rate load.

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) 30(W) 57.9(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 |
|----------------------|--|-------------------|
| CB | IEC60601-1 | IEC62368-1 (Meet) |
| UL | ANSI/AAMI ES60601-1 CAN/CSA C22.2 NO. 60601-1 | UL62368-1 (Meet) |
| TUV SUD/Mark | EN60601-1 | - |
| TUV SUD/GS | - | EN62368-1(Meet) |
| CE | - | EN62368-1(Meet) |
| CCC | - | GB4943.1 |
| FCC | - | FCC PART 15(Meet) |

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 | 4000VAC input to output |
| Insulation Resistance | 10M Ohms, 500VDC input to output |