



IP20 Class II (V)

Product Features

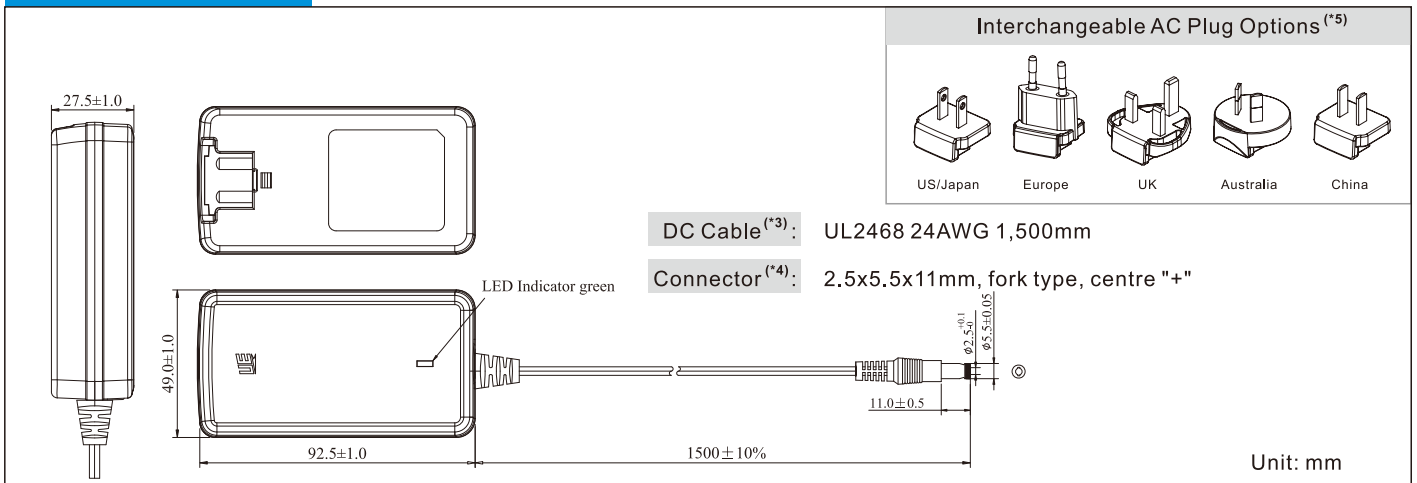
- Medical & ITE safety approvals
- 2 MOPP input to output isolation
- Low leakage current $\leq 100\mu\text{A}$
- Efficiency level V
- $\leq 0.3\text{W}$ standby power
- 5V to 15V outputs, up to 10W
- Up to 5,000m operating altitude
- Interchangeable AC plugs



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
UE10WCP1-050YYYYSPA	5.0	0.1-2.00	10W	300mVpk-pk	±5%		73.37%	≤3s
UE10WCP1-055YYYYSPA	5.5	0.1-1.82	10W	300mVpk-pk	±5%		73.37%	≤3s
UE10WCP1-060YYYYSPA	6.0	0.1-1.67	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-065YYYYSPA	6.5	0.1-1.54	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-070YYYYSPA	7.0	0.1-1.50	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-075YYYYSPA	7.5	0.1-1.34	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-080YYYYSPA	8.0	0.1-1.25	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-085YYYYSPA	8.5	0.1-1.18	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-090YYYYSPA	9.0	0.1-1.12	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-095YYYYSPA	9.5	0.1-1.06	10W	300mVpk-pk	±5%	Line: ±2%	76.7%	≤3s
UE10WCP1-100YYYYSPA	10.0	0.1-1.00	10W	300mVpk-pk	±5%	Load: ±5%	76.7%	≤3s
UE10WCP1-105YYYYSPA	10.5	0.1-0.96	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-110YYYYSPA	11.0	0.1-0.91	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-115YYYYSPA	11.5	0.1-0.87	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-120YYYYSPA	12.0	0.1-0.85	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-125YYYYSPA	12.5	0.1-0.80	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-130YYYYSPA	13.0	0.1-0.77	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-135YYYYSPA	13.5	0.1-0.75	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-140YYYYSPA	14.0	0.1-0.72	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-145YYYYSPA	14.5	0.1-0.69	10W	300mVpk-pk	±5%		76.7%	≤3s
UE10WCP1-150YYYYSPA	15.0	0.1-0.67	10W	300mVpk-pk	±5%		76.7%	≤3s

Mechanical Details



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.

Input

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	0.5A at 100-240VAC
Inrush Current	40A 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	92.5(L)x49(W)x27.5(H)mm
Weight	128g
MTBF	>50,000hrs 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
TüV-NRTL	UL60601-1	-
TüV-SUD/Mark	EN60601-1	-
TüV-SUD/GS	-	EN60950-1
PSE	-	J60950-1
CE	-	EN60950
FCC	-	FCC PART15

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 80MHz - 2700MHz
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, 6Vrms (0.15MHz-80MHz)
Magnetic Field	EN61000-4-8	3 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