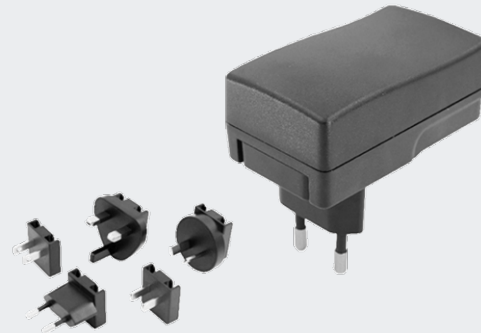


SL POWER SLE06 SERIES

6 Watt Single Output
External Power Adapters



Medical



Industrial



Advanced Energy's SL Power SLE06 series of plug-in wall-mount AC-DC power adapters feature both medical and ITE safety approvals. It meets Department of Energy Level VI and European Code of Conduct V5 Tier 2 Directive efficiency standards.

AT A GLANCE

Total Power

6 Watts

Input Voltage

90 to 264 VAC

of Outputs

Single

SPECIAL FEATURES

- Medical and ITE safeties
- Available in interchangeable AC plugs or fixed blade versions
- 2 x MOPP input to output isolation
- Suitable for medical equipment up to class BF
- Low leakage current less than 10 μ A
- Overvoltage, overcurrent and short circuit protection
- EU CoC V5 Tier 2 compliant
- DoE efficiency level VI
- \leq 0.075 W standby power
- Up to 5000 m operating altitude

SAFETY

- CB Medical: IEC 60601-1
ITE: IEC 62368-1
- UL Medical: UL 60601-1,
CSA C22.2 No. 60601-1
ITE: UL 62368-1,
CAN/CSA C22.2 No. 62368-1
- TUV Medical: EN 60601-1
ITE: EN 62368-1
- RCM ITE: AS/NZS 62368-1
- CCC ITE: GB4943.1
- KC K62368-1
(4.2 to 6 VDC models only)



ELECTRICAL SPECIFICATIONS

Input	
Input Voltage Range	90 to 264 VAC
Frequency	47 to 63 Hz
Input Current	0.2 A @ 90 VAC
Inrush Current	30 A @ 240 VAC cold start
Touch Leakage Current	$\leq 10 \mu\text{A}$ @ 264 VAC
Isolation Safety Rating	Input to output: 4,000 VAC (2 x MOPP)
Dielectric Withstand Voltage	Input to output: 5,656 VDC
Insulation Resistance	Input to output: 100 Mohms, 500 VDC
Output	
Output Voltage	5.0 V, 9.0 V, 12.0 V
Voltage Regulation	$\pm 5\%$
Start-up Delay	$\leq 3 \text{ s}$
Hold-up Time	10 ms typical at full load @ 230 VAC
Overvoltage Protection	120% to 150% rated output voltage, recycle input to reset
Overload Protection	120% to 150% rated output power, auto-recovery
Short Circuit Protection	Trip and restart, hiccup mode

RELIABILITY

MTBF	> 100,000 hours MIL-HDBK-217 at 25°C
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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to +45°C ambient
Storage Temperature	-20 to +60°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000 m
Weight	85 g
Dimension	73.5 x 42.5 x 30.7 mm
Packing Quantity	Individual box: 50/carton, egg-crate: 100/carton

EMC/EMI COMPLIANCE

Conducted Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN 55022, CISPR 22
Radiated Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN 55022, CISPR 22
Immunity	Medical: IEC/EN 60601-1-2 ITE: EN 55024, CISPR 24
Electro-Static Discharge (ESD) Immunity on Power Ports	EN 61000-4-2, ± 15 kV air, ± 8 kV contact
Radiated RF EM Fields Susceptibility	EN 61000-4-3, 10 V/m, 3 V/m (80 MHz to 2700 MHz)
Electrical Fast Transients (EFT)/Bursts	EN 61000-4-4, ± 2 kV on AC port, ± 1 kV on signal ports
Surges, Line to Line (DM) and Line to Ground (CM)	EN 61000-4-5, ± 1 kV line to line (diff mode)
Conducted RF Immunity	EN 61000-4-6, 3 Vrms, 6 Vrms (0.15 MHz to 80 MHz)
Power Frequency Magnetic Field Immunity	EN 61000-4-8, 30 A/m
Voltage Dip Immunity	EN 61000-4-11, 0%, 70%, 0% of UT
Harmonic Current Emissions	EN 61000-3-2, Class A
Flicker Test	EN 61000-3-3

ORDERING INFORMATION - SLE06 SERIES

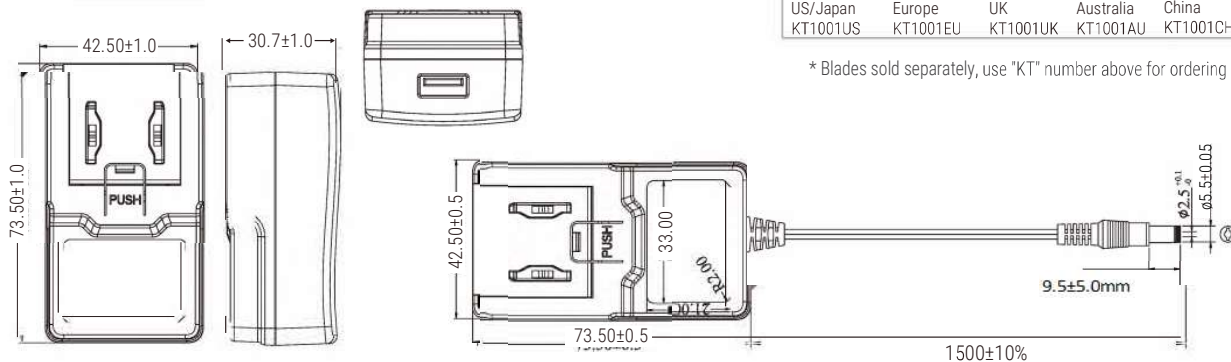
Model Number ^{3,4,5}	Maximum Power	Output Voltage ¹	Maximum Load	Ripple & Noise ²	Line Regulation	Load Regulation	Efficiency (Average)
SLE06S0503B01	5.0 W	5.0 V	1.0 A	150 mV pk-pk	$\pm 1\%$	$\pm 5\%$	73.83%
SLE06S0903B01	5.4 W	9.0 V	0.6 A	200 mV pk-pk	$\pm 1\%$	$\pm 5\%$	73.77%
SLE06S1203B01	6.0 W	12.0 V	0.5 A	200 mV pk-pk	$\pm 1\%$	$\pm 5\%$	78.16%
SLE06S0503C01	5.0 W	5.0 V	1.0 A	150 mV pk-pk	$\pm 1\%$	$\pm 5\%$	73.83%
SLE06S0903C01	5.4 W	9.0 V	0.6 A	200 mV pk-pk	$\pm 1\%$	$\pm 5\%$	73.77%
SLE06S1203C01	6.0 W	12.0 V	0.5 A	200 mV pk-pk	$\pm 1\%$	$\pm 5\%$	78.16%

Note:

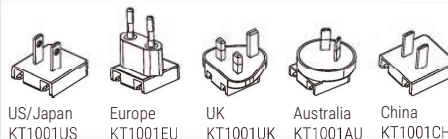
- Other output voltages in the range of 5 V through 24 V are available, contact our sales representative for details.
- Measured at output connector with 20 MHz bandwidth and 0.1 μ F ceramic in parallel with 10 μ F electrolytic capacitors.
- "B" in the model number (SLE06S0503B01) indicates interchangeable blade model. "C" = N.A.fixed blade input.
- "03" in the model number indicates 2.5 x 5.5 x 9.5 mm straight barrel type connector. "99" indicates USB "A" port output.
Other output connector options are available, please contact our sales representative for details.
- Power supply is not fitted with the AC blade, this is to be ordered separately. See outline drawing below for details
- Power supplies are not medical equipment (applied parts), medical product manufacturers take responsibility for further evaluation of class B/BF/CF compliance of their end product.

MECHANICAL DRAWINGS

- DC Cable^{(*)3} UL2468 22AWG 1,800mm, 2.5mm x 5.5mm x 9.5mm , center "+"
- Connector^{(*)4} USB 2.0 port for 5V (PIN1 "+", PIN4 "-", PIN 2&3 shorted)



Interchangeable AC Blade Options



* Blades sold separately, use "KT" number above for ordering

Unit: mm



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ABOUT ADVANCED ENERGY

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