



LEAN LINE
BY SL POWER ELECTRONICS



* Blades sold separately



Medical



Industrial

FEATURES AND BENEFITS

Medical & ITE Safety Approvals	CoC V5 Tier 2(2016)
2 x MOPP Input to Output Isolation	≤0.075W Standby Power
Suitable for Medical Equipment Up to Class BF ⁽¹⁾	5V to 24V Outputs, Up to 18W
Low Leakage Current ≤10μA	Up to 5,000m Operating Altitude
DOE Efficiency Level VI	Interchangeable AC Plugs



CB CE IP20 Class II



MODEL SELECTION

Model Number	Volts ⁽¹⁾	Current	Rated Power	Ripple & Noise ^{(max)(2)}	Voltage Tolerance	Line & Load Regulation	Efficiency (Average) ⁽³⁾	Start Up Delay
SLE18S0503B01	5.0V	3.0A	15.0W	200mV pk-pk	±6%	Line: ±1% Load: ±5%	81.84%	≤3s
SLE18S1203B01	12.0V	1.5A	18.0W	200mV pk-pk	±5%		85.05%	≤3s
SLE18S1803B01	18.0V	1.0A	18.0W	200mV pk-pk	±5%		85.19%	≤3s
SLE18S2403B01	24.0V	0.7A	18.0W	200mV pk-pk	±5%		85.26%	≤3s
SLE18S0599B01	5.0V	3.0A	15.0W	200mV pk-pk	±6%		81.84%	≤3s

Notes:

- Measured at output connector with 20MHz bandwidth and 0.1μF ceramic in parallel with 10μF electrolytic capacitors.
- Other output voltages in the range of 5V through 24V are available, contact our sales representative for details.
- "B" in the model number (SLE18S0503B01) indicates interchangeable blade model (see note 4). "C" = N.A.fixed blade input, "M" = EU blades, "G" = UK blades, "H" = Aust/NZ (SAA) blades.
- "03" in the model number indicates 2.5 x 5.5 x 9.5mm straight barrel type connector. "99" indicated 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 shall take responsibility for further evaluation of class B/BF/CF compliance of their end product.

INPUT

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

SAFETY

CB	Medical: IEC60601-1, ANSI/AAMI ES60601-1 ITE: IEC62638-1, UL62638-1
UL	Medical: CAN/CSA C22.2 NO. 60601-1 ITE: CAN/CSA C22.2 NO. 62638-1
TUV	Medical: EN60601-1 ITE: EN62638-1
RCM	ITE: AS/NZS 62638.1



EMI/EMC COMPLIANCE

Conducted Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN55022, CISPR 22
Radiated Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN55022, CISPR 22
Immunity	Medical: IEC/EN 60601-1-2 ITE: EN55024, CISPR 24
Electro-Static Discharge (ESD) Immunity on Power Ports	EN61000-4-2, ±15kV air, ±8kV contact
Radiated RF EM Fields Susceptibility ³	EN61000-4-3, 10V/m, 3V/m (80MHz-2700MHz)
Electrical Fast Transients (EFT)/Bursts	EN61000-4-4, ±2kV on AC port, ±1kV on signal ports
Surges, Line to Line (DM) and Line to Ground (CM)	EN61000-4-5, ±2kV line to line (diff mode)
Conducted RF Immunity	EN61000-4-6, 3Vrms, 6Vrms (0.15MHz-80MHz)
Power Frequency Magnetic Field Immunity	EN61000-4-8, 30A/m
Voltage Dip Immunity	EN61000-4-11, 0%, 70%, 0% of UT
Harmonic Current Emissions	EN61000-3-2, Class A
Flicker Test	EN61000-3-3

ENVIRONMENT

Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to 60°C
Weight	140 grams
Dimensions	88mm x 30mm x 57mm
Operating Humidity	10% RH to 90% RH, non-condensing
Storage Humidity	5% RH to 90% RH
Operating Altitude	5,000m
Dielectric Withstand Voltage	5,656VDC input to output
Insulation Resistance	100M Ohms, 500VDC input to output

PROTECTION

Overload Protection	120%–150% rated output power, Auto-recovery
Overvoltage Protection	120%–150% rated output voltage input to reset
Short circuit Protection	Trip and restart - Hiccup Mode

RELIABILITY

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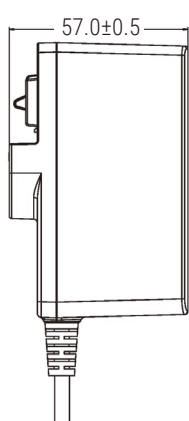
PACKAGING

Weight, Packing Qty	140g, Individual Box: 60/carton; Egg-crate: 50/craton
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ISOLATION

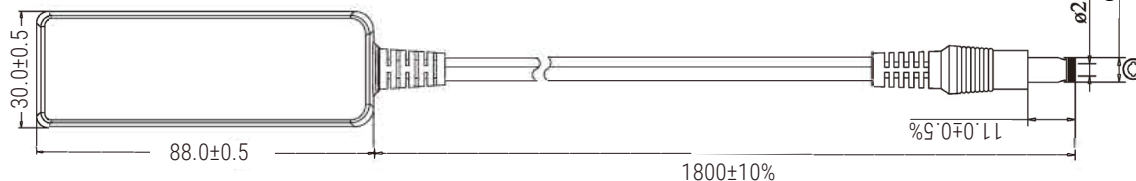
Isolation Safety Rating	4,000VAC Input to Output (2 x MOPP)
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MECHANICAL DRAWING

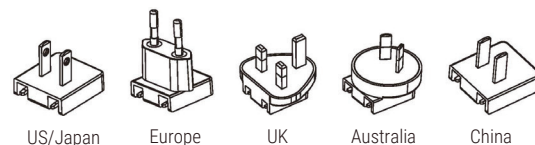


DC Cable^{(*)4} UL2468 18AWG 1,800mm

Connector^{(*)5} 2.5mm x 5.5mm x 11mm, fork type, center "+"



Interchangeable AC Blade Options^{(*)6}



Unit: mm

Disclaimer: The information and specifications contained herein are believed to be correct at the time of publication. However, SL Power accepts no responsibility for consequences arising from reproduction errors or inaccuracies. Specifications are subject to change without notice.