

SLE24 Family

24W Single Output Medical/Industrial Grade















Industrial

Medical & ITE Safety Approvals 2 x MOPP Input to Output Isolation

Suitable for Medical Equipment Up to Class BF(*)

DOE Efficiency Level VI

Low Leakage Current ≤10µA (8.1V-14V), $\leq 50 \mu A (6.1 V - 8 V \& 14.1 V - 24 V)$

CoC V5 Tier 2(2016)

≤0.075W Standby Power

6V to 52V Outputs, Up to 24W

Up to 5,000m Operating Altitude

Interchangeable AC Plugs or Fixed Blade Versions

* Blades sold separately

















MODEL SELECTION

Model Number	Volts ⁽²⁾	Current	Rated Power	Ripple & Noise ^{(max)(1)}	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
SLE24S0903B01	9.0V	2.3A	21.0W	120mV pk-pk	±5%	Line: ±1% Load: ±5%	86.20%	≤3s
SLE24S1203B01	12.0V	2.0A	24.0W	150mV pk-pk	±5%		86.20%	≤3s
SLE24S2403B01	24.0V	1.0A	24.0W	240mV pk-pk	±5%		86.20%	≤3s
SLE24S4803B01	48.0V	0.5A	24.0W	300mV pk-pk	±5%		86.20%	≤3s
SLE24S1203C01	12.0V	2.0A	24.0W	150mV pk-pk	±5%		86.20%	≤3s

Notes:

- 1. Measured at output connector with 20MHz bandwidth and 0.1µF ceramic in parallel with 10µF electrolytic capacitors.
- Other output voltages in the range of 6.0V through 52V are available, contact us for details.
- "B" in the model number (SLE24S0903**B**01) indicates interchangeable blade model. "C" = N.A.fixed blade input (12V model only)
 "03" in the model number indicates 2.5 x 5.5 x 9.5mm straight barrel type connector. 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
- 6. 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



SAFETY

СВ	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

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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-2.7GMHz)
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, ±1kV 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

PACKAGING

Weight, Packing Qty

170g, Individual box: 60/carton, egg-crate: 50/carton

ENVIRONMENT

Operating Temperature	0°C to 40°C	
Storage Temperature	-20°C to 60°C	
Weight	170 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	10M Ohms, 500VDC input to output	

PROTECTION

Overload Protection	110%–200% rated output power, Auto-recovery	
Overvoltage Protection	120%-150% rated output voltage input to reset	
Short circuit Protection	Trip and restart - Hiccup Mode	

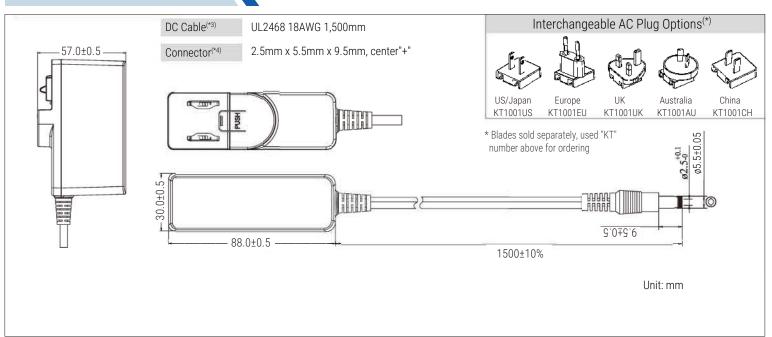
RELIABILITY

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

ISOLATION

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

MECHANICAL DRAWING



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.