



LEAN LINE
STEEL PARTNERS COMPANY



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⁾	9V to 36V Outputs, Up to 36W
Low Leakage Current ≤50μA	5,000m Operating Altitude
DOE Efficiency Level VI	AC Inlet IEC60320 C8 (class II) input



MODEL SELECTION

Model Number	Volts ^(*)	Current	Rated Power	Ripple & Noise ^{(max)(*)2}	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
SLE36S0903N01	9.0V	3.0A	27.0W	400mV pk-pk	±5%	Line: ±1% Load: ±5%	88.30%	≤3s
SLE36S1203N01	12.0V	3.0A	36.0W	400mV pk-pk	±5%		88.30%	≤3s
SLE36S2403N01	24.0V	1.5A	36.0W	180mV pk-pk	±5%		88.30%	≤3s
SLE36S3603N01	36.0V	1.0A	36.0W	240mV pk-pk	±5%		88.30%	≤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 49V through 36V are available, contact us for details.
- "N" in the model number (SLE36S2403N01) indicates IEC60320 C8 inlet (class II).
- "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 provided with a line cord.
- 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)	≤50μA 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
PSE	ITE: J62638-1 (For Class II only)



EMI/EMC COMPLIANCE

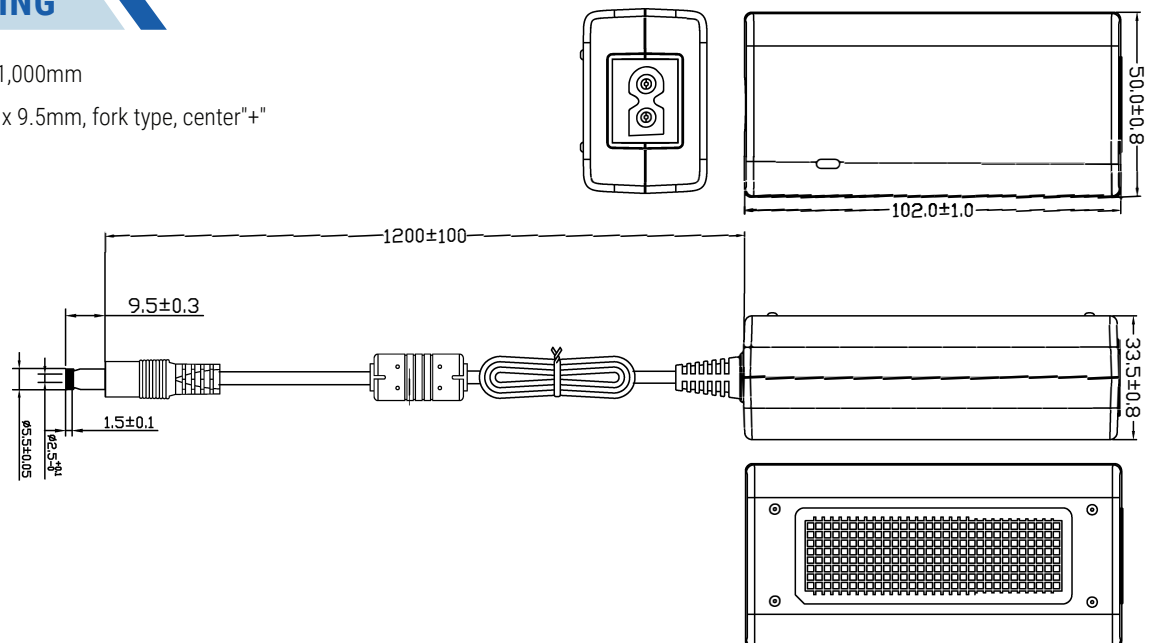
Conducted Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN55022, CISPR 22
Radiated Emissions	Medical: IEC/EN 60601-1-2, CISPR 11 ITE: EN55022, CISPR 22
Immunity	Medical: IEC/EN 60601-1-2 ITE: EN55024, CISPR 24
Electro-Static Discharge (ESD) Immunity on Power Ports	EN61000-4-2, $\pm 15\text{kV}$ air, $\pm 8\text{kV}$ 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, $\pm 2\text{kV}$ on AC port, $\pm 1\text{kV}$ on signal ports
Surges, Line to Line (DM) and Line to Ground (CM)	EN61000-4-5, $\pm 1\text{kV}$ 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	230g, Individual Box: 48/carton; Egg-crate: 72/carton
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MECHANICAL DRAWING

DC Cable ^{(*)3}	UL1185 14AWG 1,000mm
Connector ^{(*)4}	2.5mm x 5.5mm x 9.5mm, fork type, center "+"



ENVIRONMENT

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Weight	230 grams
Dimensions	102.0mm x 50.0mm x 33.5mm
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
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ISOLATION

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

Authorized Distributor

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SL Power:

[SLE36S0903N01](#) [SLE36S3603N01](#) [SLE36S1203N01](#) [SLE36S2403N01](#)