



SLD120PC LED Driver Power Supply

120 Watts Constant Current LED Driver
IP67 Rated Indoor/Outdoor Use, RoHS 2 Compliant

Date: 2/12/13

Rev: 020813



Features:

- Wide Operating Voltage
- Internal EMI Filter
- Active Power Factor Correction
- Constant Current: 2.40 – 5.71 A
- Over Voltage Protection
- Over Current Protection
- Class I
- RoHS 2 Compliant



Input

Approved Input Voltage	100 to 277 VAC
Operating Input Voltage	90 to 305 VAC
Input Frequency	47 to 63 Hz
Input Current (Low Line)	1.8 A Max. at 100 VAC
Input Current (High Line)	0.7 A Max. at 240 VAC
Power Factor Correction	0.90 to 1.0
No Load Power Cons.	1 Watt Max.
Safety Ground Leakage Current	0.75 mA Max. at 240 VAC, Full Load

Output

Output Voltage & Current	See Chart
Ripple & Noise (P-P)	1% Max., Full Load at 90 VAC Input
Over Voltage Protection	Set at 103 - 105% of Nominal Output Current
Over Current Protection	Set at 103 - 105% of Nominal Output Current
Temperature Coefficient	± 0.04% / °C Max.
Transient Response	Full Load to Half Load @ 100 VAC Input: 4 mS Max.

Environmental

Operating Temperature	-20°C to 70°C
Derating	Derated Linearly from 100% at +60°C to 50% at 70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	0% to 95% Non-Condensing

Electrical

Efficiency (at 230VAC)	86% to 90% at Full Load
Start-Up Time	1 Second Max.
Hold-Up Time	10 mS Min.
Line Regulation	0.5 to 1% Max. at Full Load
Load Regulation	3% Max. at 230 VAC
Inrush Current (at 25°C Cold Start)	37 A Max. at 120 VAC 75 A Max. at 230 VAC
Withstanding Voltage	4242 VDC from Pri. to Sec. 2121 VDC from Pri. to Gnd.
Isolation Resistance	50 MΩ Min. from O/P to Gnd
Mean Time Between Failure (MTBF)	100,000 Hours Min., Full Load at 25°C Ambient

Safety

Safety Standards	Meets or Exceeds:
	(A) UL/c-UL (UL 8750: 1st Edition)
	(B) TUV/BUART (EN/IEC 61347-1:2008, EN/IEC 61347-2-13:2006)
	(C) CE-EMC (EN 55015:2006 & EN 61457:1995+A1:200)
	(D) CB
	(E) IP67



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Single Output Voltage and Current Chart

Model Number	Output Current	Output Voltage	Maximum Output Power
SLD120PC21R	5.71 A	12.6 - 21 VDC	120W
SLD120PC22R	5.45 A	13.2 - 22 VDC	120W
SLD120PC23R	5.21 A	13.8 - 23 VDC	120W
SLD120PC24R	5.00 A	14.4 - 24 VDC	120W
SLD120PC25R	4.80 A	15.0 - 25 VDC	120W
SLD120PC26R	4.61 A	15.6 - 26 VDC	120W
SLD120PC27R	4.44 A	16.2 - 27 VDC	120W
SLD120PC28R	4.28 A	16.8 - 28 VDC	120W
SLD120PC29R	4.13 A	17.4 - 29 VDC	120W
SLD120PC30R	4.00 A	18.0 - 30 VDC	120W
SLD120PC31R	3.87 A	18.6 - 31 VDC	120W
SLD120PC32R	3.75 A	19.2 - 32 VDC	120W
SLD120PC33R	3.63 A	19.8 - 33 VDC	120W
SLD120PC34R	3.52 A	20.4 - 34 VDC	120W
SLD120PC35R	3.42 A	21.0 - 35 VDC	120W
SLD120PC36R	3.33 A	21.6 - 36 VDC	120W
SLD120PC37R	3.24 A	22.2 - 37 VDC	120W
SLD120PC38R	3.15 A	22.8 - 38 VDC	120W
SLD120PC39R	3.07 A	23.4 - 39 VDC	120W
SLD120PC40R	3.00 A	24.0 - 40 VDC	120W
SLD120PC41R	2.92 A	24.6 - 41 VDC	120W
SLD120PC42R	2.85 A	25.2 - 42 VDC	120W
SLD120PC43R	2.79 A	25.8 - 43 VDC	120W
SLD120PC44R	2.72 A	26.4 - 44 VDC	120W
SLD120PC45R	2.66 A	30.0 - 45 VDC	120W
SLD120PC46R	2.60 A	31.6 - 46 VDC	120W
SLD120PC47R	2.55 A	32.2 - 47 VDC	120W
SLD120PC48R	2.50 A	32.8 - 48 VDC	120W
SLD120PC49R	2.44 A	33.4 - 49 VDC	120W
SLD120PC50R	2.40 A	34.0 - 50 VDC	120W



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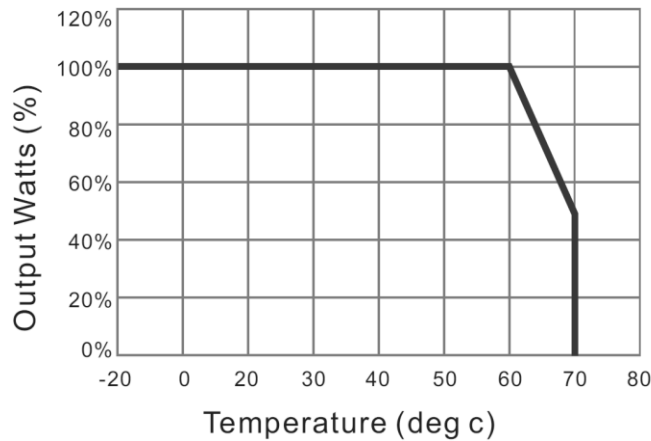
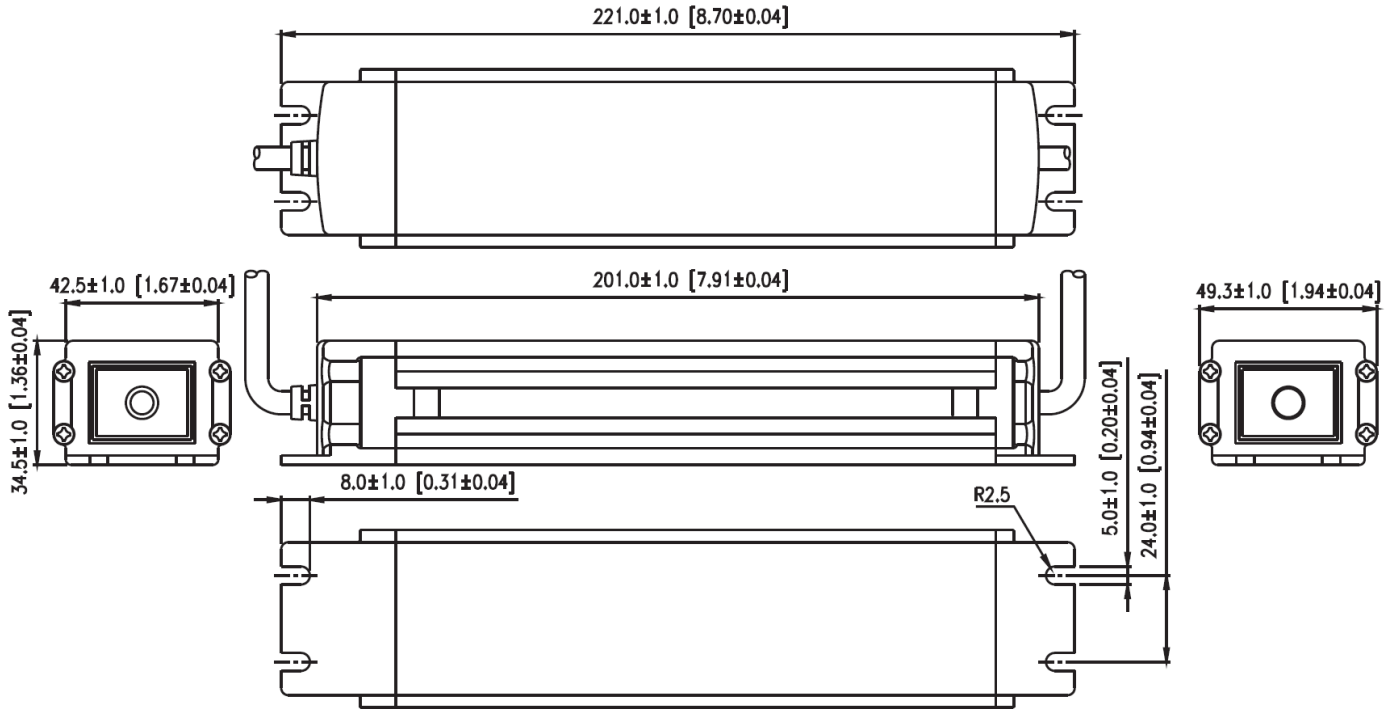
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Note:

Input Connector: 1 ft. Cable, SJTW, 18AWGx3C

Output Connector: 1 ft. Cable, SJTW, 18AWGx2C



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