

150 Watt, SD Series, Fully Enclosed DC-DC Converter

ALL PSU LTD
Electronic Power Solutions

- DC Inputs From 19 to 144 VDC
- Isolated Output
- Low Ripple, Built In Filter
- Protections, Short Circuit, Over Load, Over Voltage
- 2 Year Warranty
- Adjustable Output
- Conformal Coating Option
- DIN Rail Mounting Option



Specification

Input Voltage.....	See table below. Inputs from 19~144 VDC
Output Voltage.....	See table below (plus adjustment range)
Line Regulation.....	+/-0.5% (12V O/P), +/-3% (24V O/P)
Load Regulation.....	+/-0.5% (12V O/P), +/-3% (24V O/P)
Over Load Protection.....	105~135% pulsing mode, auto recovery
Over Voltage Protection.....	130~165% of nominal output voltage
Isolation Voltage.....	1.5 kVAC (input to output)
Working Temperature	-10 to +60 °C (refer to derating curve)
Safety Standards.....	24 & 48 Volt I/P units meet LVD requirements
EMC Standards.....	EN55022 class B, EN61000-4-2,3,4,6,8
Dimensions.....	199(L) x 110(W) x 50(H) mm
MTBF.....	296.2 khrs(SD150B), 289.9 khrs(SD150C&D),
Weight.....	0.86 kg
Connections.....	Screw Terminals, Input and Output

Models and Ratings

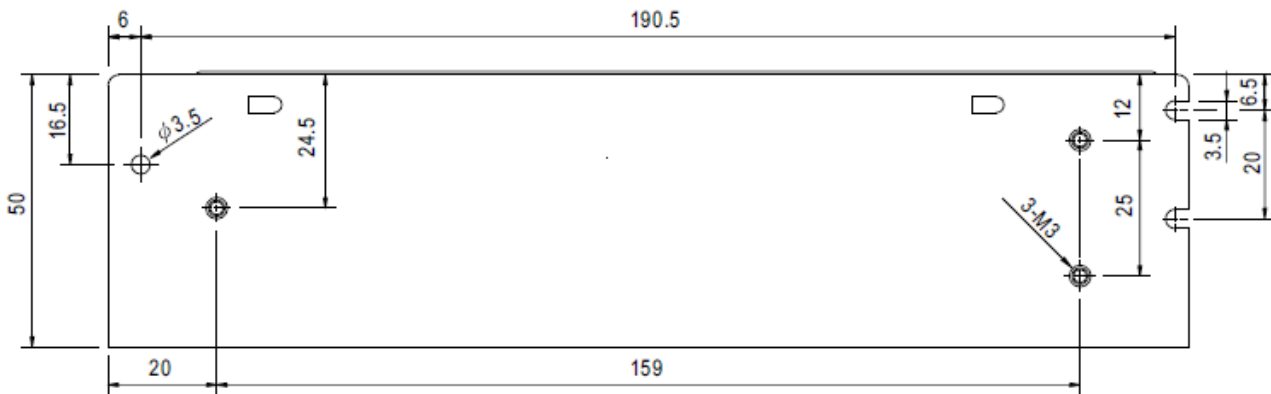
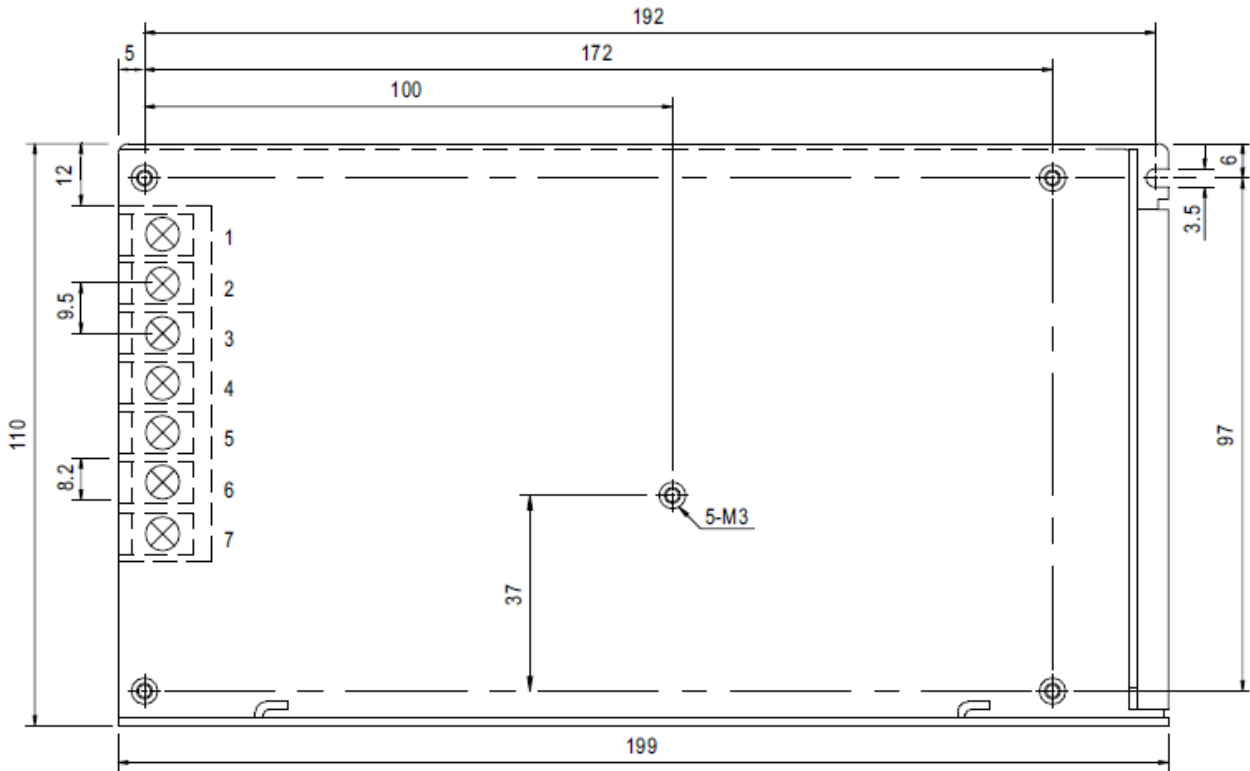
Model	Input Voltage	Output Volts / Amps	Output Adjustment	Ripple & Noise	Efficiency
SD-150B-12	19~36 VDC	12.0 V / 12.5 A	11.0~16.0 V	120 mV	75%
SD-150B-24	19~36 VDC	24.0 V / 6.3 A	23.0~30.0 V	150 mV	77%
SD-150C-12	36~72 VDC	12.0 V / 12.5 A	11.0~16.0 V	120 mV	77%
SD-150C-24	36~72 VDC	24.0 V / 6.3 A	23.0~30.0 V	150 mV	80%
SD-150D-12	72~144 VDC	12.0 V / 12.5 A	11.0~16.0 V	120 mV	79%
SD-150D-24	72~144 VDC	24.0 V / 6.3 A	23.0~30.0 V	150 mV	82%

Note : SD-150D series units with also accept an AC Input of 85 to 132 Volts

For mechanical details, derating and connections , see next page

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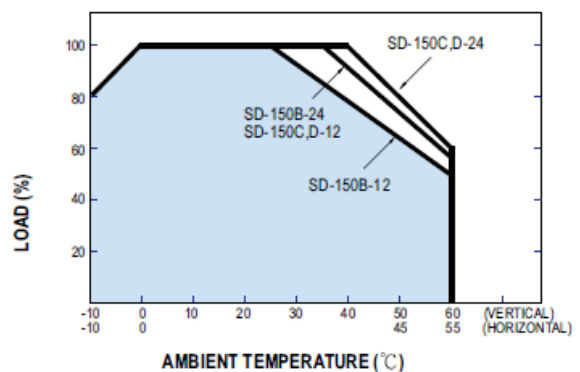
Mechanical Details



Connections

Temperature Derating

Terminal	Function
1	+ DC Input
2	- DC Input
3	Input Earth
4	- DC Output
5	- DC Output
6	+ DC Output
7	+ DC Output



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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