

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

ALL PSU LTD
Electronic Power Solutions

- DC Inputs From 9.2 to 72 V
- Isolated Output
- Low Ripple, Built In Filter
- Protections, Short Circuit, Over Load, Over Voltage
- High Reliability
- Adjustable Output
- Conformal Coating Option
- CE Marked
- DIN Rail Mounting Option

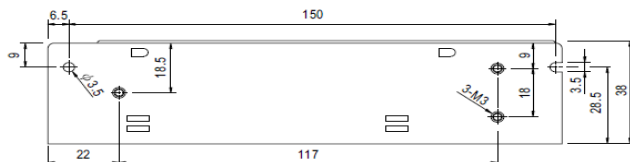
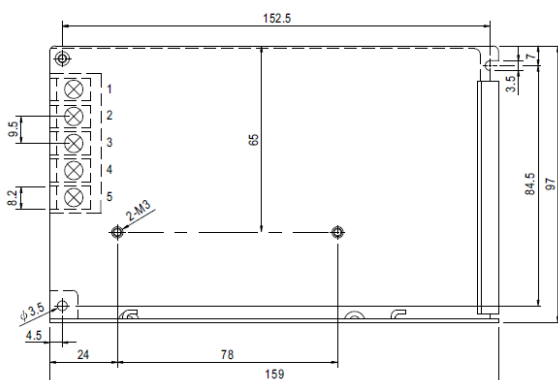


Specification

Input Voltage	See table below (inputs from 9.2~72 VDC)
Output Voltage	See table below (plus adjustment range)
Line Regulation	+/-0.5% (5V O/P), +/-3% (12V O/P), +/-2% (24V O/P)
Load Regulation	+/-0.5% (5V O/P), +/-3% (12V O/P), +/-2% (24V O/P)
Over Load Protection	105~150% pulsing mode, auto-recovery
Over Voltage Protection	115~165% of nominal output voltage, auto recovery
Withstand Voltage	1.5 kVAC I/P~O/P
Working Temperature	-10~+60 °C (100% load to 40/50°C depending on model)
Safety Standards	Meets LVD requirements
EMC Standards	EN55022 class B, EN61000-4-2,3,4,6,8 ENV50204, EN55024 heavy industrial level, criteria A

Model	Input Voltage (VDC)	Output Volts / Amps	Output Adjustment	Ripple & Noise	Efficiency
SD-50A-5	9.2~18	5 V / 10.0 A	4.5~5.5 V	100 mV	70%
SD-50A-12	9.2~18	12 V / 4.2 A	11~16 V	120 mV	72%
SD-50A-24	9.2~18	24 V / 2.1 A	23~30 V	150 mV	74%
SD-50B-5	19~36	5 V / 10.0 A	4.5~5.5 V	100 mV	73%
SD-50B-12	19~36	12 V / 4.2 A	11~16 V	120 mV	75%
SD-50B-24	19~36	24 V / 2.1 A	23~30 V	150 mV	80%
SD-50C-5	36~72	5 V / 10.0 A	4.5~5.5 V	100 mV	76%
SD-50C-12	36~72	12 V / 4.2 A	11~16 V	120 mV	78%
SD-50C-24	36~72	24 V / 2.1 A	23~30 V	150 mV	83%

Mechanical Details



Connection Details	
Terminal	Function
1	+ DC Input
2	- DC Input
3	Input Earth
4	- DC Output
5	+ DC Output

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

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