

# 15 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
- DIN Rail Mounting Option



Size 79 x 51 x 28 mm

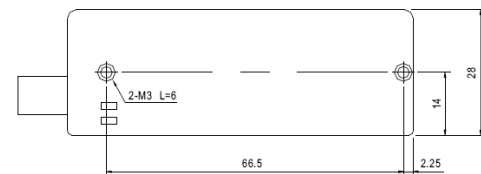
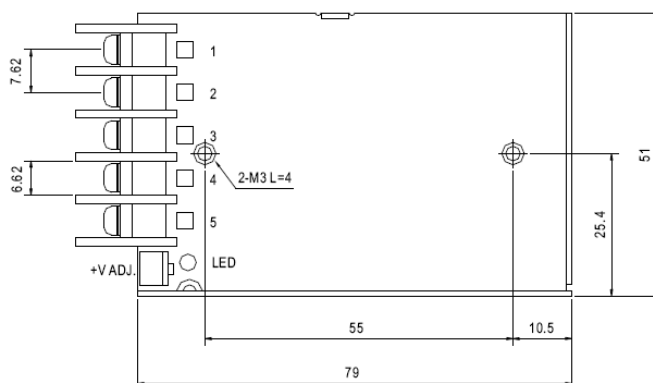
## Specification

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), +/-0.3%(12V O/P), +/-0.2%(24V O/P)
Load Regulation.....	+/-0.5%(5V O/P), +/-0.3%(12V O/P), +/-0.2%(24V O/P)
Over Load Protection.....	105~160% (hiccup mode, auto-recovery)
Isolation Voltage.....	3kVDC: I/P-O/P, 1.5kVDC: I/P-F/G, 0.8kVDC: O/P-F/G
Operating Temperature.....	-10~+60 °C (derate above 40 °C to 60% power at 60 °C)
Safety Standards.....	Meets LVD requirements
EMC Standards.....	EN55022 class B, EN61000-4-2, 3, 4, 6, 8, ENV50204 EN55024, Light industrial level, Criteria A

## Models and Ratings

Model	Input Voltage	Output Voltage/Current	Output Adjustment	Ripple & Noise (max)	Efficiency
SD-15A-05	9.2~18 VDC	5.0 V / 3.0 A	4.75~5.5 V	100 mV	68%
SD-15A-12	9.2~18 VDC	12.0 V / 1.25 A	10.8~13.2 V	120 mV	72%
SD-15A-24	9.2~18 VDC	24.0 V / 0.625 A	21.6~26.4 V	150 mV	70%
SD-15B-05	18~36 VDC	5.0 V / 3.0 A	4.75~5.5 V	100 mV	76%
SD-15B-12	18~36 VDC	12.0 V / 1.25 A	10.8~13.2 V	120 mV	76%
SD-15B-24	18~36 VDC	24.0 V / 0.625 A	21.6~26.4 V	150 mV	77%
SD-15C-05	36~72 VDC	5.0 V / 3.0 A	4.75~5.5 V	100 mV	75%
SD-15C-12	36~72 VDC	12.0 V / 1.25 A	10.8~13.2 V	120 mV	79%
SD-15C-24	36~72 VDC	24.0 V / 0.625 A	21.6~26.4 V	150 mV	81%

## Mechanical Details



Pin	Function
1	DC input V+
2	DC input V-
3	Input Earth
4	DC output V+
5	DC output V-

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

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