

30W Single Output Enclosed DC-DC Converter



Classifications



Image



Key Features

- 24V DC Input
- Soft start, low Inrush current
- Input & output isolation
- Input polarity reverse protection
- Input under / over voltage protection
- Over load, over voltage & short circuit protection
- Output voltage $\pm 10\%$ adjustment
- 100% 50°C burn-in test
- Meet UL, cUL, TUV, CB, CE standard

Dimensions

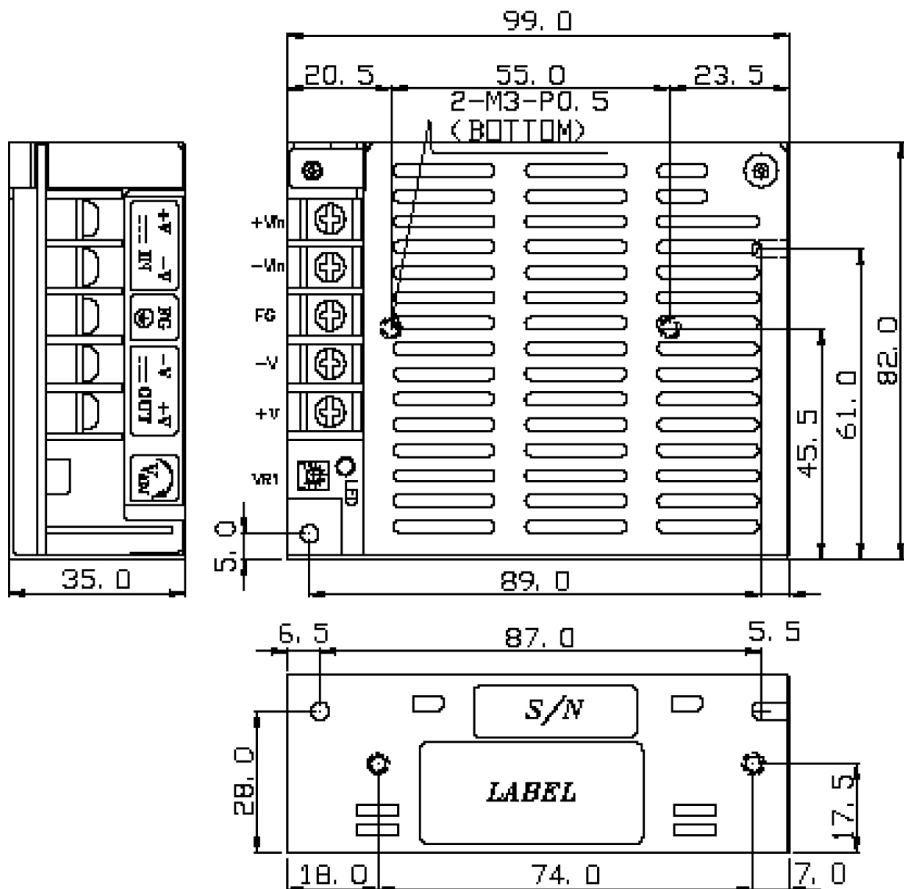
99 x 82 x 35mm

Technical Specifications

Input Voltage	18VDC ~ 36VDC (Typical 24VDC)
Input Current	<2.6A @ 18V DC input, full load condition
Rise time	< 20mS
Short circuit Protection	Should short circuit condition occur the output will shutdown, recovers automatically after fault condition has been removed.
Working Temperature, Humidity	0°C~70°C; de-rating: 50°C ~70°C : 2.5%/°C. 20% ~ 85% RH non condensing
Storage Temperature, Humidity	-10°C ~ +75°C 10% ~ 95% RH non condensing
Safety Standards	Meets UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94
EMC	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CLASS B, EN 50082-1 (1997)
M.T.B.F.	417K hours

Table Specification

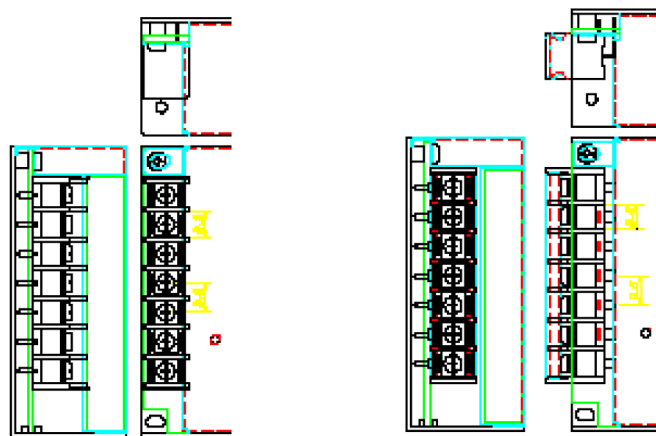
Part No	Voltage	Min Load	Max Load	Reg	R&N	Efficiency	OVP
SDS-030B3.3	3.3V	0A	7.0A	$\pm 3\%$	40mV	68%	+3.8V ~ +4.6V
SDS-030B05	5.0V	0A	6.0A	$\pm 2\%$	50mV	70%	+5.8V ~ +7.0V
SDS-030B7.5	7.5V	0A	4.0A	$\pm 2\%$	75mV	70%	+8.6V ~ +10.5V
SDS-030B12	12V	0A	2.5A	$\pm 1\%$	100mV	74%	+13.8V ~ +17.5V
SDS-030B24	24V	0A	1.3A	$\pm 1\%$	200mV	76%	+27.6V ~ +33.6V
SDS-030B48	48V	0A	0.65A	$\pm 1\%$	250mV	78%	+55.2V ~ +67.2V



* Connector: 5p/9.5mm pitch terminal block (Right angel type optional)

* Weight: 350g/pc.

** Terminal block with pc cover optional, show as below:



Type A: Stright pins with pc cover

Type B: Right angle pins with pc cover