S-1500 Series

1500 W / Single-output switching power supply

Output options: 12, 24, 36, 48 V DC

Choose the column for the complete output model.

01 Output ratings

Model	S-1500-12	S-1500-24	S-1500-36	S-1500-48
DC output voltage	12 V	24 V	36 V	48 V
Output current	0-125 A	0-63 A	0-42 A	0-31 A
Efficiency	80%	85%	85%	87%
Ripple / noise (mV p-p)	150	180	180	240
Line regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation	±0.5%	±0.5%	±0.5%	±0.5%
DC voltage adjustment	±10%	±10%	±10%	±10%

Use the current for the selected output voltage; the options are different models.

02 Input, protection and insulation

Input voltage	100-132 V AC or 200-264 V AC (by switch); 254-370 V DC; 47-63 Hz
Inrush current	45 A at 230 V AC (cold start)
Overload protection	105-135%: output shuts off; automatic recovery.
Setup / rise / hold-up	2000 / 50 / 20 ms at 230 V AC, full load.
Withstand voltage	Input-output: 1.5 kV; input-FG: 1.5 kV; output-FG: 0.5 kV (1 min).
Insulation resistance	100 megohms at 500 V DC: input-output, input-FG and output-FG.

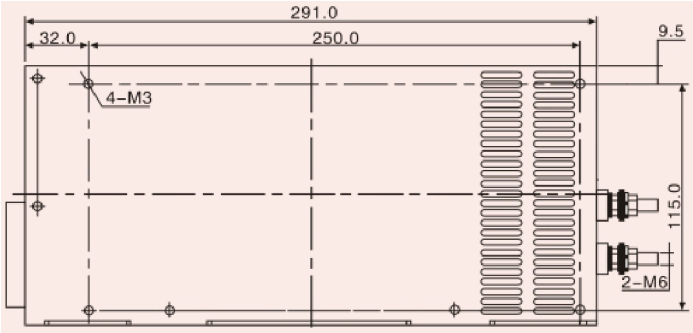
03 Operating and mechanical data

Operating temperature	-10 to +50 °C
Dimensions (L × W × H)	291 × 132 × 68 mm
Unit weight	2.65 kg
Packing	37.5 × 31 × 25.5 cm; 6 units per carton; 16 kg per carton

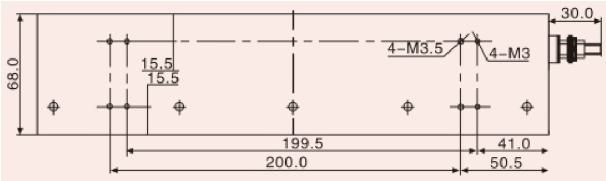
S-1500 mechanical dimensions

291 × 132 × 68 mm (length × width × height)

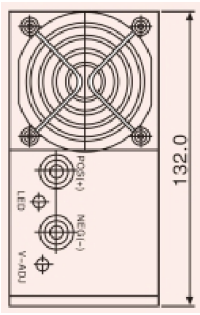
Wide face



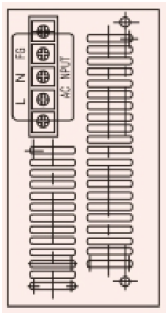
Narrow face



Fan end



Connector end



Terminal markings

POS (+)	Positive output
NEG (-)	Negative output
L, N	AC input
FG	Frame ground

Terminal identification

The end views label the terminals directly. No numbered pin assignment is printed.

Mounting reference

Allow separately for the 30 mm terminal projection beyond the 291 mm body.

Dimensions are in millimetres. Check the markings on the actual unit before installation.