ENCLOSED AC-DC POWER SUPPLY

LRS-250 Series

250 W series | Single-output switching power supply

Output options: 5, 12, 15, 24, 48 V DC



01 Output ratings

Model	LRS-250-5	LRS-250-12	LRS-250-15	LRS-250-24	LRS-250-48
DC output voltage	5 V	12 V	15 V	24 V	48 V
Output current range	0-50 A	0-20 A	0-16 A	0-10 A	0-5 A
Efficiency	85.5%	85.5%	86%	88%	89%
Ripple and noise	150 mV p-p	150 mV p-p	150 mV p-p	150 mV p-p	200 mV p-p
Line regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC voltage adjustment	±10%	±10%	±10%	±10%	±10%

02 Input, protection and insulation

Input voltage	90-132 / 180-264 V AC (switch-selectable), 47-63 Hz; 240-370 V DC
Inrush current	60 A at 230 V AC (cold start)
Overload protection	110-150%: output shuts off; automatic recovery.
Other protection	Overcurrent protection / Short-circuit protection
Setup / rise time	230 V AC: 1500 / 50 ms; 115 V AC: 1500 / 50 ms. Hold-up time not specified.
Withstand voltage	Input-output: 1.5 kV; input-FG: 1.5 kV; output-FG: 0.5 kV (1 min).
Insulation resistance	100 MOhm at 500 V DC, input-output / input-FG / output-FG; 25 °C, 70% RH.

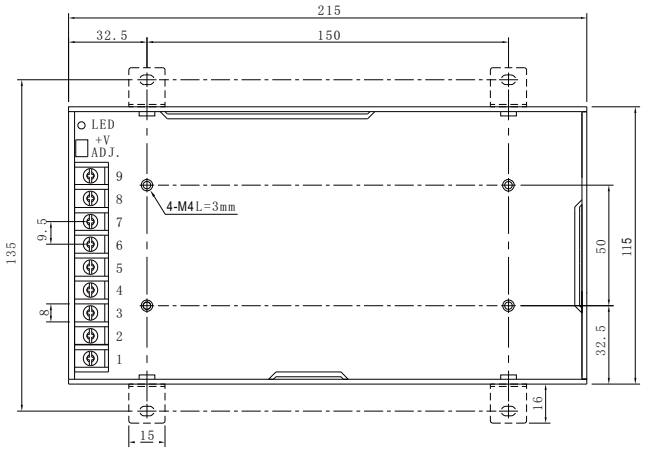
03 Operating and mechanical data

Operating temperature	-20 to +70 °C; full load is not specified across this range.
Dimensions (L × W × H)	215 × 115 × 30 mm
Unit weight	0.66 kg
Packing	37.5×25×26 cm; 20 pcs; 13 kg

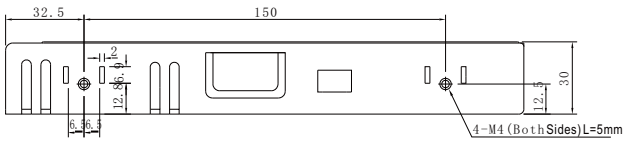
04 Mechanical outline

Dimensions in millimetres

Terminal layout and mounting holes



Side mounting holes



Drawing: body length × width × height

215 × 115 × 30 mm

135 mm across mounting ears.

Terminal assignments

AC input	Protective earth	DC output -V	DC output +V
Pins 1, 2	Pin 3	Pins 4, 5, 6	Pins 7, 8, 9

05 Mounting reference

Body length	215 mm
Body width	115 mm
Body height	30 mm
Across mounting ears	135 mm

06 Operating limits

5 V is a catalogue option; no 5 V load curve is published in this sheet.

The operating temperature range is -20 to +70 °C. No model-specific derating curve is included. Confirm allowable load at the intended input voltage and ambient temperature. The stated range is not a full-load rating.