S-600W Series

600 W / Single-output switching power supply

Output options: 15, 24, 36, 48 V DC

15 V-first edition. Do not combine with the ordinary S-600 ratings.

01 Output specifications

Model	S-600-15	S-600-24	S-600-36	S-600-48
DC output voltage	15 V	24 V	36 V	48 V
DC output current	0-40 A	0-25 A	0-16.7 A	0-12.5 A
Efficiency	83%	85%	86%	87%
Ripple and noise	100 mV p-p	150 mV p-p	150 mV p-p	150 mV p-p
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%

02 Operating conditions

AC input	90-132 / 180-264 V AC, switch-selected; 47-63 Hz
DC input	254-370 V DC
Cold-start inrush	25 A at 115 V AC; 50 A at 230 V AC
Overload protection	105-300%: output shuts off; automatic recovery
Overvoltage protection	115-140%: output shuts off; cycle input power to recover
Setup / rise / hold-up time	800 / 20 / 36 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 minute)
Insulation resistance	100 megohms at 500 V DC (input-output, input-FG, output-FG)
Operating temperature	-10 to +50 °C
Body / unit weight	238 x 124 x 65 mm; 1.5 kg
Carton	44 x 26 x 27 cm; 12 units; 18 kg

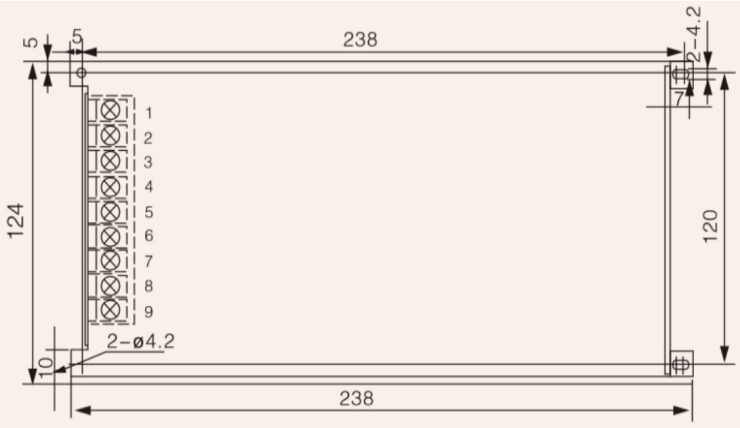
Mechanical reference

The outline does not distinguish this edition from the ordinary S-600. Check the complete output model.

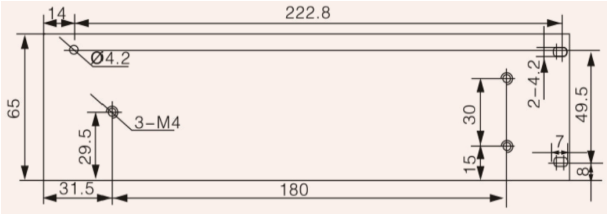
S-600W mechanical dimensions

238 × 124 × 65 mm (length × width × height)

Wide face



Narrow face



Terminal pin assignment

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

Terminal identification

The source groups the AC input pins. Check L and N on the unit; the legend does not identify them individually.

Mounting reference

The outline does not distinguish this edition from the ordinary S-600. Check the complete output model.

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