ENCLOSED AC-DC POWER SUPPLY

S-250 Series

Single-output switching power supply

Source summary: 250 W / 6 output options



01 Output ratings

Model	S-250-5	S-250-12	S-250-15	S-250-24	S-250-36	S-250-48
DC output voltage	5 V	12 V	15 V	24 V	36 V	48 V
Output current	0-45 A	0-20 A	0-16 A	0-10 A	0-6.7 A	0-5 A
Efficiency	74%	79%	79%	81.5%	84%	84%
Ripple / noise (mV p-p)	150	150	150	150	200	240
Line regulation	±2%	±1%	±1%	±1%	±1%	±1%
Load regulation	±2%	±1%	±1%	±1%	±1%	±1%
DC voltage adjustment	±10%	±10%	±10%	±10%	±10%	±10%

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

02 Input, protection and insulation

Input voltage	90-132 V AC or 180-264 V AC (by switch); 254-370 V DC; 47-63 Hz
Inrush current	25 A at 115 V AC; 50 A at 230 V AC (cold start)
Overload protection	105-135%: output shuts off; automatic recovery.
Overvoltage protection	115-150%: output shuts off; cycle input power to recover.
Setup / rise / hold-up	200 / 50 / 16 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)	215 × 115 × 50 mm (case); see mounting span on page 2.
Unit weight	0.95 kg
Packing	45.5 × 31.5 × 26 cm; 20 units per carton; 19 kg per carton

04 Mechanical outline

外形尺寸 Overall dimension(mm)

接 线 位 置
端口 8,9 ：交流输入
端口 7 ：接地
端口 4,5,6：直流输出-V
端口 1,2,3：直流输出+V

Terminal Pin No.Assignment
Pin 8,9 ：AC input
Pin 7 ：GND
Pin 4,5,6：DC output-V
Pin 1,2,3：DC output+V

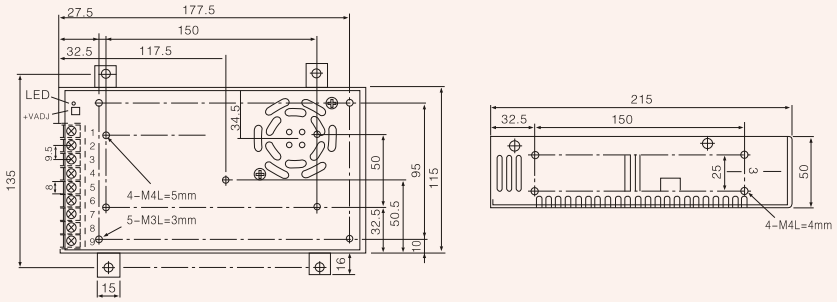


Table heading and Dimension row: 215 × 115 × 50 mm.

Drawing: 215 × 115 mm body; side height 50 mm. The 135 mm span is between mounting-ear hole centres.

Do not use the hole-centre spacing as the enclosure width or the overall clearance.

05 Bilingual technical specifications

Model columns, protection limits and test conditions from the corresponding WEHO single sheet.

型号 Model / 性能 Specification	S-250-5	S-250-12	S-250-15	S-250-24	S-250-36	S-250-48
直流输出电压、电流 DC output voltage, current	5V 0～45A	12V 0～20A	15V 0～16A	24V 0～10A	36V 0～6.7A	48V 0～5A
纹波及噪音 Wave and noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
进线稳定度 Inlet wire stability	±2%	±1%	±1%	±1%	±1%	±1%
负载稳定度 Load stability	±2%	±1%	±1%	±1%	±1%	±1%
效率 Efficiency	74%	79%	79%	81.5%	84%	84%
直流电压可调范围 Adjustable range for DC voltage	±10%	±10%	±10%	±10%	±10%	±10%
输入电压范围 Input voltage range	90～132VAC/180～264VAC 由开关切换 254～370VDC 47～63Hz 90～132VAC/180～264VAC by switch 254～370VDC 47～63Hz					
冲击电流 Impact current	冷启动电流 Cold start current 25A/115VAC 50A/230VAC					
过载保护 Overload protection	105%～135%切断输出，自动恢复 105%～135% cut off the output, automatic recovery					
过电压保护 Over voltage protection	115%～150%关闭输出，电源重启后可恢复输出 115%～150% shut down O/P voltage, re-power on to recover					
启动、上升、保持时间 Setup, rise, hold up time	200ms, 50ms, 16ms/230VAC 满负载 at full load					
耐压性 Withstand voltage	输入输出间：1.5kV 输入与外壳间：1.5kV 输出与外壳间：0.5kV 一分钟 I/P-O/P: 1.5kV I/P-FG:1.5kV O/P-FG: 0.5kV 1minute					
隔离电阻 Isolation resistance	输入输出间 输入与外壳间 输出与外壳间：500VDC/100MΩ I/P-O/P I/P-FG O/P-FG: 500VDC/100MΩ					
工作温度 Working temperature	-10℃～+50℃					
尺寸 Dimension	215×115×50mm					
重量 Weight	0.95kg					
包装 Packing	45.5×31.5×26CM/20PCS/19kg					

Source edition: S-250 single sheet.

The full-load condition applies to timing measurements; it is not a continuous-load guarantee.