ENCLOSED AC-DC POWER SUPPLY

S-1000 Series

Single-output switching power supply

Source summary: 1000 W / 5 output options



01 Output ratings

Model	S-1000-12	S-1000-24	S-1000-36	S-1000-48	S-1000-110
DC output voltage	12 V	24 V	36 V	48 V	110 V
Output current	0-80 A	0-42 A	0-28 A	0-21 A	9.1 A*
Efficiency	80%	85%	85%	87%	87%
Ripple / noise (mV p-p)	150	180	180	240	240
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%

* 110 V: the sheet prints 110V~9.1A; no lower current limit is stated.

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

04 Mechanical outline

外形尺寸 Overall dimension(mm)

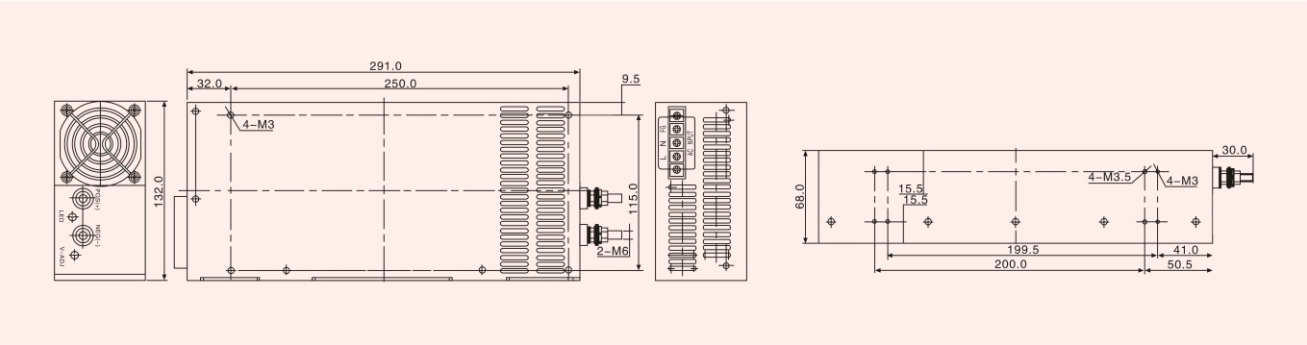


Table heading and Dimension row: 291 × 132 × 68 mm.

The drawing dimensions the body separately from the 30 mm output-terminal projection.

05 Bilingual technical specifications

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

型号 Model / 性能 Specification	S-1000-12	S-1000-24	S-1000-36	S-1000-48	S-1000-110
直流输出电压、电流 DC output voltage, current	12V 0～80A	24V 0～42A	36V 0～28A	48V 0～21A	110V~9.1A
纹波及噪音 Wave and noise	150mVp-p	180mVp-p	180mVp-p	240mVp-p	240mVp-p
进线稳定度 Inlet wire stability	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
负载稳定度 Load stability	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
效率 Efficiency	80%	85%	85%	87%	87%
直流电压可调范围 Adjustable range for DC voltage	±10%	±10%	±10%	±10%	±10%
输入电压范围 Input voltage range	100～132VAC/200~264VAC 由开关切换 254～370VDC 47～63Hz 100～132VAC/200~264VAC by switch 254～370VDC 47～63Hz				
冲击电流 Impact current	冷启动电流 Cold start current 45A/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				
启动、上升、保持时间 Setup, rise, hold up time	2000ms, 50ms, 20ms/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	291×132×68mm				
重量 Weight	2.65kg				
包装 Packing	37.5×31×25.5CM/6PCS/16kg				

Source edition: S-1000 single sheet.

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