

## SIM-Series

900W Switching Mode Power Supply with C.C., C.V. Remote Control & Sensing



SIM-Series



Assembled with Do It Yourself 19" Rack Mount Front Panel

### Description

This family of high power remote sensing, remote control, switching mode CC/CV power supply offers unique solution for various loading conditions and applications.

The remote control functionality makes

1. output on/off possible without turning the power on/off switch of the unit.
2. adjusting the output voltage and current without turning the controls of the unit.

The remote sensing capability is important for load away from the power supply or when load current becomes erratic.

It is ideal for applications that require precise voltage at the point of application

When using it as a normal bench power supply, the 10-turn potentiometers provide precise output voltage and current control. The 4 digit LED meters with clear indication of automatic cross over of CC and CV mode provide easy read outs.

With the optional accessory, unit can be easily converted to 19" rack mount construction in less than 5 minutes.

It is suitable for a wide range of applications such as production testing, laboratory, field test of voltage critical distant load, telecommunications, powering of dc network and etc.

### Features

- Remote control for output power on-off .
- Remote control for voltage and current adjustment.
- Remote sensing for remote point of precise voltage regulation.
- Do It Yourself 19" Rack Mount with optional accessory.
- High RFI stability.
- CC & CV mode with auto-cross over.
- Output Over Voltage Protection.
- Active Power Factor Correction.
- Overload, Over-temperature, Short circuit Protections
- 10-turn wire wound potentiometers .
- 4 digit LED A and V meters.
- Thermally controlled variable speed fan.
- Universal Input 100-240VAC

### Specifications

Models	SIM - 9106	SIM - 9303
Variable Output Voltage	1 - 15VDC	1 - 30VDC
Variable Output Current	1 - 60A	1 - 30A
Load Voltage Regulation	0.1% +5mV	0.1% +5mV
Line Voltage Regulation	0.05% +3mV	
Load Current Regulation	0.2% +5mA	
Line Current Regulation	0.1% +5mA	
Ripple & Noise (peak-peak)	50mVp-p	
Ripple & Noise (r.m.s.)	<5mVrms	
Input Voltage	100 - 240VAC , 50/60Hz~	
Efficiency	≥82%	≥83%
Meter Type	LED Meter	
Volt. Meter Range	4 digit - Display	
Curr. Meter Range	4 digit - Display	
Meter Accuracy	±0.5% +2counts	
Protection Devices	Overload (Constant Current Limiting), Short Circuit, Over Temp. & OVP	
Cooling System	Variable Speed Thermally Control Fan	
Special Feature	Remote Sensing, Remote Control	
Accessories	Remote Control Plug, User Manual	
Optional Accessory	19" Rack Mount Kit (P/N SIM-9106: 8781-9106-0000/SIM-9303: 8781-9303-0000)	
Approvals	CE EMC: EN55011 LVD: EN61010	
Dimensions (WxHxD)	235x95x340 mm 903x3.8x13.4 inch	
Weight	Approx. 6 kgs 13.2 lbs	
Remarks	Power factor correction ≥0.97 at optional load	

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE