

Description

This 80Watt constant power design allows a much wider range of output current and voltage than the most power supplies in the same category. The 3 voltage and current range selections in effect is like having 3 power supplies with different output range.

It has constant voltage and automatic cross over constant current, adjustable over voltage protection setting, high precision 4 digit meters making it an ideal choice for R&D bench top power supply.

Features

- Switching Mode Power Supply with Dynamic PFC
- 80W Constant Power conversion in 3 selectable ranges:
- 0~16V/0~5A; 0~27V/0~3A; 0~36V/0~2.2A
- User preset output voltage, current and over voltage protection limits.
- 4 digit LED Meter displays
- Output On-Off switch allows presetting of output voltage and current limiting in Off mode to ensure safe operating V&I limits when back to On mode.
- Remote sensing for accurate applied voltage at load point
- Output terminals at front and rear panels for easy operation.

Specifications

Input AC Voltage Range	SSP - 7080	
No load Input Current at 230Vac	90 - 264Vac	
Full Load Input Current at 230Vac	≤0.1A	
AC Input Frequency	≤0.5A	
Efficiency	47 - 63Hz~	
Power Factor	≥75%	
Constant Voltage and Current Range Selection:	≥0.9	
0-16V / 5A selection I	0 - 16.4V	0 - 5.1A
0-27V / 3A selection II	0 - 27.6V	0 - 3.1A
0-36V / 2.2A selection III	0 - 36.8V	0 - 2.3A
Constant Voltage Characteristics :		
Load Regulation (0-100%)	≤20mV	
Line Regulation (±10%)	≤4mV	
Ripple & Noise (peak to peak)	≤30mV	
Constant Current Characteristics :		
Load Regulation (0-100%)	≤10mA	
Line Regulation (±10%)	≤10mA	
Meter Accuracy :		
Voltmeter Accuracy	±1% +2 counts	
Ammeter Accuracy	±1% +2 counts	
Protection	Adjustable Upper Voltage Limit, Current Limiting Protection, Short Circuit, Overload, Over Temperature Protection	
Output Terminals	Front and Back of housing	
Additional Function	Remote Sensing	
CE Approvals	LVD : EN 61010 , EMC : EN 55011	
Cooling	Natural Convection	
Dimensions in mm (WxHxD)	53.5 x 127 x 330mm / 2 x 5 x 13inch	
Weight in Kg	Approx. 1.9Kgs / 4.2Lbs	



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

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE *