

SPECIAL PURPOSE POWER SUPPLY

SSP - 7080

80W Constant Power Switching Mode Power Supply



Description

This laboratory grade constant- power SMPS with 3 selectable voltage & current limits operates like 3 separate power supplies with different V and I range. The master & slave design allows up to 5 units in parallel with simple master control.

Constant current limit can be set with output open circuit .

Over voltage protection limit can also be adjusted to offer protection of voltage sensitive load. Output On-Off button switch allows safe operation of quick change over of load or VI range. The Remote sensing feature makes up for voltage drop due to distant load or heavy current load loss to ensure accurate voltage at the load point

Features

- Constant Power design with 3 VI configurations
- 0-16V/0-5A ;0-27V/0-3A; 0-36V/0-2.2A.
- Master & Slave setting and Remote Sensing
- Constant Current adjustment with output open circuit
- Output On-Off switch
- 4 digit LED meter displays
- Smooth tuning control due to rotary encoder design

Specifications

Models	SSP - 7080
Input Voltage Range	100 - 240VAC
No Load Input Current at 230VAC	≤0.13A
Full Load Input Current at 230VAC	≤0.5A
AC Input Frequency	47 - 63Hz~
Efficiency	≥78%
Power Factor	≥0.9
Constant Voltage and Current Range Selection:	
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%)	≤50mV
Line Regulation (±10%)	≤4mV
Ripple & Noise (peak-peak)	≤30mV
Constant Current Characteristics:	
Load Regulation (0 - 100%)	≤10mA
Line Regulation (±10%)	≤10mA
Meter Accuracy	
Volt. Meter Accuracy	±0.5% +5counts
Curr. Meter Accuracy	±0.5% +5counts
Protection	Adjustable upper voltage limit, Current limiting protection, Short circuit, Overload, Over temperature
Output Terminals	Front of housing
Additional Function	Remote sensing
Approvals	CE EMC: EN 55011 LVD: EN 61010
Cooling Method	Natural Convection
Dimensions (WxHxD)	53.5x127x330 mm 2x5x13 inch
Weight	Approx. 1.9 kgs 4.2 lbs

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

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE