

SSP-Series

80W Constant Power Switching Mode Power Supply



SSP-7080

Description

As a standard alone wide range laboratory power supply, it has 3 voltage current ranges due to the constant 80W power design.

With a sustainable product design concept, this power supply is modular and scalable, so that it can be upgraded without having to be replaced .

The front output terminals allow for ease linking up to 5 power supplies in parallel connection. With the different modular combinations, higher current (up to 25 Amps) is attainable.

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 panels for easy operation.
- Rotary encoder control

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