REMOTE PROGRAMMING LABORATORY GRADE POWER SUPPLY 160W Constant Power (Auto-Range) Switching Mode Power Supply

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SSP - 8160 / 8162



		42V, 4A Traditional Power Supply
		32V, 5A Traditional Power Supply
1		16V, 10A Traditional Power Supply
42		CCD 9100 Constant Dower Currel
22		SSP-8160 Constant Power Supply
32		
40		
16		
0	4 5	10 A

Description

A conventional power supply has a set max. voltage and a set max current such that all the A conventional power supply has a set max. voltage and a set max current such that all the operating V & A must fall inside these limits. For example a 20V max. and 8A max. power supply with 160W can only supply voltage and current within the above two limits of V & I. If you want to have 40V with smaller current (4A) or 10A with lower voltage (14V) you need to buy another power supply. This completely new designed laboratory grade power supply differs from the conventional power supply by calculating and changing the voltage and current limit points according to the available max. power. So the max limits of the voltage and current are changeable according to the rated power. In the above example, with the constant-power supply can give 16V max. with 10A max. or 42V with 4A max and etc. The combinations of max. V and I are greatly increased and so is the range of operational limits as shown in the hyperbolic graph of max. power voltage-ampere.

ampere. The key benefit is clear, it saves money as one constant-power power supply can do the work of a few conventional power supplies.

Features

- . Saves money and space as one power supply covers V, A limits of few power supplies.
- Adjustable upper voltage and current output levels to ensure safe operation
- 3 user presets of frequently used V and A outputs
- . 4 digit display of voltage and current Analogue Remote Control V, I & On-Off
- .
- Ramp, Step, DC output with 3 presets Remote Programming with provided software & drivers via USB port
- Output on-off switch and control panel lock button for safer operation Over Temperature, Over Current, Over Voltage and Short Circuit
- Protection
- Universal Input 90 264Vac, 50 60Hz

Specifications

Models	SSD 9160	SSD 9162		
Innut Valtaga Banga		33F - 0102		
Input voltage Range	100 - 240VAC			
	SI.UA / SZ.3A			
	45 - 65HZ~			
Efficiency (230VAC / 100VAC)	≥85/83% @ 42V / 3.8A	≥86/84% @ 84V / 1.9A		
Power Factor	20.9			
OUTPUT:				
Variable Output Voltage	0 - 42V	0 - 84V		
Variable Output Current	0 - 10A	0 - 5A		
Output Rated Power	160W			
Constant Voltage Characteristics:				
Load Regulation (10 - 100% rated current)	≤80mV	≤40mV		
Line Regulation (90 - 264Vac)	≤10mV	≤10mV		
Ripple & Noise (peak-peak)	≤80mVp-p			
Ripple & Noise (r.m.s.)	≤8mV			
Constant Current Characteristics:				
Load Regulation (10 - 90% rated voltage)	≤50mA			
Line Regulation (90 - 264Vac)	≤10mA			
Meter Accuracy				
Volt. Meter Accuracy	±(0.1% +5counts)			
Curr. Meter Accuracy	±(0.1% +5counts)			
Resolution	0.02V 0.01A			
Output Setting Accuracy	Voltage: ±(0.2% +5counts)V Current: ±(0.2% +5counts)A			
Transient Response Time (step: 50%-100% rated load)	≤1.5ms			
Protection	Adjustable upper voltage limit, Short circuit, Overload, Over temp., Adjustable upper current limit, Tracking OVP			
Output Terminals	Safety Jack @ Front Panel			
Additional Function	3 User defined V & I preset, Analogue Remote control V, I & output on-off			
Remote Programmable via USB to Computer	Max. 20 preset of V & I, Max. preset cycle 999			
Ramp Step Irregular Waveform Functions	Yes			
Approvals	CE EMC: EN 55011 LVD: EN 61010			
Cooling Method	Natural Convection			
Operating Temperature	0 - 40°C			
Dimensions (WxHxD)	200 x 95 x 245mm 7.9 x 3.7 x 9.5 inch			
Weight	2.3kg 5lb			

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

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE