REMOTE PROGRAMMING LABORATORY GRADE POWER SUPPLY Remote Programmable HCS-3400 USB Series



Features

protections

computer.

• Rotary Encoder Control Knob with coarse & fine tuning

• Isolated ground, Active PFC & high power efficiency

• Over load, Over Temperature & Tracking Over Voltage

Remote Programmable via USB to computer.
Analogue Remote Control of V, I, & output On-Off without

• 20 programmable sets of V, I & cycle periods for repetitive

Intelligent fan control from zero to full speed

3 user defined V & I presets
High RFI immunity & excellent EMI

operation up to 999 cycles.







This range of high graded SMPS is designed for a wide range of applications for telecommunications, laboratory and industry. The power efficient circuit designs allow units to have small form factor with low profile and small footprint casings.

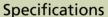
The intelligent fan speed control program checks the fan at power on and adapts the right speed to ensure a quiet and safe operation of the power supply at different ambient temperatures and power output levels.

The dual action (coarse & fine set) control knobs make tuning the voltage and current level ever so smooth, precise and fast, due to the rotary encoder and microprocessor control. Setting the CC current limiting can be done in open circuit at output poles. The isolated ground construction allow parallel and series

connection of power supplies with ease and safety. The three user defined presets of voltage and current limiting levels facilitate quick access to frequently used VI settings. Analogue remote control functionality offer a wide range of

operation possibilities for the industrial and more sophisticated users. We add an USB port for access to computer to run cyclical

operation with programmable voltage, current, period time and cycles.



Models	HCS - 3400 - USB		HCS - 3402 - USB	HCS - 3404 - USB	
Output					
Variable Output Voltage	1 - 16VDC		1 - 32VDC	1 - 60VDC	
Variable Output Current	0 - 40A		0 - 20A	0 - 10A	
Voltage Regulation					
Load (10 - 100% Load)	≤50mV				
Line (170 - 264VAC Variation)	≤20mV				
Current Regulation					
Load (10 - 90% Rated Voltage)	≤150mA		≤100mA	≤100mA	
Line (170 - 264VAC Variation)	≤50mA				
Ripple & Noise					
Ripple & Noise (r.m.s.) Voltage	≤5mV		≤5mV	≤5mV	
Ripple & Noise (peak-peak) Voltage	≤50mV		≤50mV	≤100mV	
Switching Frequency	65 - 85KHz~		75 - 95KHz~	65 - 85KHz~	
Tracking Over Voltage Protections	O/P 1-5V : set voltage O/P 5-16V : set voltage		O/P 1-5V : set voltage +2V O/P 5-20V : set voltage +3V O/P 20-32V : set voltage +4V	O/P 1-5V : set voltage +2\ O/P 5-20V : set voltage +3\ O/P 20-60V : set voltage +4\	
Meter Type & Accuracy					
Voltage Meter	3 Digit LED Display ±(0.2% +3counts)				
Current Meter	3 Digit LED Display ±(0.2% +3counts)				
Input Voltage	200 - 240VAC 50/60Hz~	200 - 240VAC 50/60Hz~ (or on request)			
Full Load Input Current	3.15A		3.1A	3.1A	
Efficiency	≥85.5%		≥87%	≥89%	
Power Factor Control	Power factor correction >0.97 at optimal load				
Cooling Method	Thermostatic Control Fan from Zero to full speed				
Protections	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature				
Special Features	3 User defined V & I preset, Analogue Remote control V, I and output on-off				
Preset Cycle Programming	Max. 20 presets of V & I,	; Max	c. preset cycle 999		
Approvals	CE EMC: EN 55011, 5	CE EMC: EN 55011, 55022 LVD: EN 60950, 61010			
Dimensions (WxHxD)	200x90x215 mm 7.9x3.	5x8.5	inch		
Weight	2.6 kg 5.7 lbs				



Model Output Output Main C Ripple Load I Line R Input Indicat Coolin Operat Protec Appro

Dime Weigl

FIXED VOLTAGE POWER SUPPLY SPA-8150 / 8152 (Low Profile & Small Foot Print) Fixed Voltage Switching Mode Power Supply with Cigar Socket





Description

This quiet running, switching mode power supply is designed for radio equipment.

It is exceptionally immune to Radio Frequency Interference at close range.

The thermostatic variable speed cooling fan is hardly audible even at its maximum speed.

It has the small footprint of popular radio transceivers, and the low profile casing make it fall in place with a host of equipment in a tight spot.

The constant current protection, over temperature protection with constant current and output Over Voltage Protection (OVP) ensure better reliability and safer protection to both the power supply and its connected load. One main DC output at rear and a front mounted cigar socket provide convenient DC connectivity.

It gives a total continuous current output of 15A at 13.8V and a maximum of 18A at 50% duty cycle.

It has excellent line and load regulation, low ripple and noise, optimal efficiency of 80% and a power factor of 0.7.

Features

- Fan cool (0 to full speed)
- High RFI immunity
- Binding post and cigar socket DC output. • Over Load, Short Circuit, Over Temperature
- protections by constant current circuitry.
- Output Over Voltage Protection
- Power Factor Control
- User adjustable fine tune setting
- 13.3 ~14.5V (SPA-8150) & 26.6 ~ 29V (SPA-8152)
- Floating ground design

Specifications

ls	SPA-8150	SPA-8152	
ut Voltage	Fixed 13.8VDC ±0.5V Adjustable	Fixed 27.6VDC ±0.5V Adjustable	
ut Current (Main Output Posts) 1min. 50% Duty Cycle	15A cont., 18A max.	7.5A cont., 8.5A max.	
Output Posts + Cigar Socket (1min. 50% Duty Cycle)	15A cont., 18A max.	7.5A cont., 8.5A max.	
e & Noise	≤50mVp-p 5mVrms		
Regulation (0-100% Load)	≤100mV		
Regulation (±10% Variation)	≤50mV		
Voltage	200 - 240VAC 50Hz~ (or on request)		
ators	Red Color Overload LED Indicator		
ng System	Fan Cool (0 to full speed)		
ating Temperature	0 - 40°C		
ction	Overload, Over Temperature, Short Circuit Protection by Constant Current Circuitry and Output Over Voltage Protection		
ovals	CE EMC: EN 55022 LVD: EN	60950	
nsions (WxHxD)	181x63x190 mm 7.2x2.5x7.5 inch	ו	
ht	1.7 kgs 3.7 lbs		

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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