

## SPS-5600 Series

900W Reversible Polarity & AH Meter Switched Mode Power Supply



**Obsolete model...  
new HCS-3600AHR series  
with adjustable current!**

See... [www.procontechology.com.au/files/hcs\\_ahr.pdf](http://www.procontechology.com.au/files/hcs_ahr.pdf)

### Description

This series of power supplies are designed for the Electrochemical surface treatment industry.

This 900W switched mode DC regulated power supply is designed for applications which require frequent reverse polarity operations and logging of precise Ampere Hour record.

Electronic safety locking of the Reverse Polarity Switch such that when the in process current is higher than 2Amp, the switch is deactivated. The switch becomes functional again when load is taken away or load current is less than 1.

This power supply provides high current with constant current limiting protection, and a highly efficient Active Power Factor Correction.

High quality wire wound potentiometer is used for voltage control for precision adjustment of the output voltage.

### Features

- Designed for Electrochemical treatment Industries.
- Reversible Polarity with Auto Lock Protection (2Amp)
- Precision 6digit AH meter with Logging & Reset
- Constant Current Protection
- Active Power Correction
- Wire Wound Potentiometer
- Floating Ground Design
- Constant Current Protection

### Specifications

Models	SPS-5600	SPS-5602
Variable Output Voltage	1~15VDC	1~30VDC
Rated Output Current	60A	30A
Ripple & Noise (peak-peak)	100mVp-p	
Load Regulation (0~100% load)	250mV	
Line Regulation	10mV	
Input Voltage	200~240VAC 50/60Hz	
Efficiency	>81%	
Dynamic Power Factor Correction	>0.97 at optimal load	
Voltmeter & Ammeter Display	4 digital LED display	
Meter's Accuracy	±1% +1digit	
Indicators	Red LED for overload / Short circuit indication Reverse polarity indicator	
Special Features	Reverse Polarity Switch with electronic safety lock out at load current high than 2A, AH Meter with reset	
AH Meter Specification	6digit display(999999) ; 14.2mm Red LED, Accuracy 5% reading value	
Cooling Method	Variable speed thermally control fan (from 1/3 to full speed)	
Operating Temperature	0~40°C	
Protection	Overload (Constant Current Limiting), Short Circuit, Over Temperature and Output Over Voltage Protection	
Approvals	CE EMC: EN55011 LVD: EN61010	
Dimensions (WxHxD)	425x125x355 mm 16.7x4.9x14 inch	
Weight	8.7kgs 19lbs	

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

• SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE