



SPS-1230/1820/2415/3610/606



FEATURES

- * Dual Measurement Display
- * 0.01 % High Regulation
- * Constant Voltage and Constant Current Operation
- * High Efficiency
- * High Power Density
- * Over Voltage Protection
- * Remote Output ON/OFF Control

Rear Panel



The SPS-Series are single output, 360W, switching DC power supply. OVP protects the SPS-Series and their load from unexpected conditions. High regulation is maintained at 0.01%. Remote sensing adds extra level of precision by compensating cable losses between loads. Turning the output On/Off from external device is available through Remote control terminals. The GPS-Series are an ideal solution for power-efficient bench-top or portable applications requiring high regulation.

SPECIFICATIONS

OUTPUT					
	SPS-1230	SPS-1820	SPS-2415	SPS-3610	SPS-606
Voltage	0 ~ 12V	0 ~ 18V	0 ~ 24V	0 ~ 36V	0 ~ 60V
	0 ~ 30A	0 ~ 20A	0 ~ 15A	0 ~ 10A	0 ~ 6A
Current					
CONSTANT VOLTAGE OPERATION					
Regulation	Line regulation $\leq 5mV$ Load regulation $\leq 5mV$				
Ripple & Noise	$\leq 5mV_{rms}$, 100mVp-p 20Hz ~ 20MHz				
Recovery Time	$\leq 500\mu S$ (50% Load change, Minimum load 0.5A)				
Temp. Coefficient	$\leq 100ppm / ^\circ C$				
Output Range	0 to rating voltage continuously adjustable				
CONSTANT CURRENT OPERATION					
Regulation	Line regulation $\leq 3mA$ Load regulation $\leq 3mA$				
Ripple Current	$\leq 3mArms$ (SPS-606) $\leq 5mArms$ (SPS-3610) $\leq 10mArms$ (SPS-2415) $\leq 10mArms$ (SPS-1820) $\leq 30mArms$ (SPS-1230)				
Output Range	0 to rating current continuously adjustable (HI/LO range switchable)				
METER					
Type	3 1/2 digit, 0.39" LED display				
Accuracy	$\pm (0.5\% \text{ of rdg} + 2\text{digits})$				
INSULATION					
Chassis and Terminal	20M Ω or above (DC 500V)				
Chassis and AC Cord	30M Ω or above (DC 500V)				
POWER SOURCE					
AC 115V/ 230V $\pm 15\%$, 50/60Hz					
DIMENSIONS & WEIGHT					
128(W) x 151(H) x 295(D) mm, Approx. 3.2kg					

ORDERING INFORMATION

- SPS-1230** 360W D.C. Switching Power Supply
- SPS-1820** 360W D.C. Switching Power Supply
- SPS-2415** 360W D.C. Switching Power Supply
- SPS-3610** 360W D.C. Switching Power Supply
- SPS-606** 360W D.C. Switching Power Supply

ACCESSORIES :

- User manual x 1 , Power cord x 1
- Test lead GTL-203 x 1

Contact:
Industrial Process Measurement, Inc.
3910 Park Avenue, Unit 7
Edison, NJ 08820
732-632-6400
support@instrumentation2000.com
<http://www.instrumentation2000.com>