

SWITCHING D.C. POWER SUPPLY



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
Current	0 ~ 30A	0 ~ 20A	0 ~ 15A	0 ~ 10A	0 ~ 6A
CONSTANT VOLTAGE OPERATION					
Regulation	Line regulation $\leq 5\text{mV}$ Load regulation $\leq 5\text{mV}$				
Ripple & Noise	$\leq 5\text{mV}_{\text{rms}}$, 100mVp-p 20Hz ~ 20MHz				
Recovery Time	$\leq 500\mu\text{s}$ (50% Load change, Minimum load 0.5A)				
Temp. Coefficient	$\leq 100\text{ppm}/^{\circ}\text{C}$				
Output Range	0 to rating voltage continuously adjustable				
CONSTANT CURRENT OPERATION					
Regulation	Line regulation $\leq 3\text{mA}$ Load regulation $\leq 3\text{mA}$				
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$ (SPS-606) $\leq 5\text{mA}_{\text{rms}}$ (SPS-3610) $\leq 10\text{mA}_{\text{rms}}$ (SPS-2415) $\leq 10\text{mA}_{\text{rms}}$ (SPS-1820) $\leq 30\text{mA}_{\text{rms}}$ (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	