

SWITCHING D.C. POWER SUPPLIES

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Switching DC Power Supply

GW Instek offers single output 360W switching DC Power Supply series in lightweight and compact size, designed to provide reliable and stable DC Power Source at affordable price. Furthermore,

switching technology has the advantage of higher efficiency power conversion and power density compared to the linear power supplies.

SWITCHING D.C. POWER SUPPLY (Single Output, Output Power : 360W)

	Model	Output Voltage (V)	Output Current (A)	Display Type	Weight(kg)	Page
LED Display	SPS-1230	0 ~ 12V	0 ~ 30A	3 1/2 digit x 2	3.2	D26
	SPS-1820	0 ~ 18V	0 ~ 20A	3 1/2 digit x 2	3.2	
	SPS-3610	0 ~ 36V	0 ~ 10A	3 1/2 digit x 2	3.2	
	SPS-2415	0 ~ 24V	0 ~ 15A	3 1/2 digit x 2	3.2	
	SPS-606	0 ~ 60V	0 ~ 6A	3 1/2 digit x 2	3.2	

MULTIPLE OUTPUT DUAL RANGE D.C. POWER SUPPLY (Multiple Output, Output Power : 375W)

	Model	Independent	Series	Parallel	Display Type	Weight(kg)	Page
LED Display	SPD-3606	0-30V/0-6A 0-60V/0-3A 0.1-5V/3A	0-60V/0-6A 0-120V/0-3A	0-30V/0-12A 0-60V/0-6A	3digit x 4 (3CH)	6	D27



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

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	$\leq 5\text{mVrms}$, 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	$\leq 3\text{mA rms}$ (SPS-606) $\leq 5\text{mA rms}$ (SPS-3610) $\leq 10\text{mA rms}$ (SPS-2415) $\leq 10\text{mA rms}$ (SPS-1820) $\leq 30\text{mA rms}$ (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)				
Cord and AC Cord	30M Ω or above (DC 500V)				
POWER SOURCE					
AC	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 CTL-203 x 1

Rear Panel

