



## SPS-1230/1820/2415/3610/606



### FEATURES

- \* Two Digital Panel Meters
- \* 0.01 % High Regulation
- \* Constant Voltage and Constant Current Operation
- \* High Efficiency
- \* High Power Density
- \* Over Voltage Protection
- \* Remote Control Output ON/OFF Function

The SPS Series is single output, 360W, switching DC power supply. OVP protects SPS and loads 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 terminal. The GPS Series is 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 |
| <b>Voltage</b>                             | 0 ~ 12V   | 0 ~ 18V  | 0 ~ 24V  | 0 ~ 36V  | 0 ~ 60V |
| <b>Current</b>                             | 0 ~ 30A   | 0 ~ 20A  | 0 ~ 15A  | 0 ~ 10A  | 0 ~ 6A  |
| CONSTANT VOLTAGE OPERATION                 |   |          |          |          |         |
| <b>Regulation</b>                          | Line regulation $\leq 5\text{mV}$<br>Load regulation $\leq 5\text{mV}$  |          |          |          |         |
| <b>Ripple &amp; Noise</b>                  | $\leq 5\text{mVrms}$ , 100mVp-p 20Hz ~ 20MHz  |          |          |          |         |
| <b>Recovery Time</b>                       | $\leq 500\mu\text{s}$<br>(50% Load change, Minimum load 0.5A)   |          |          |          |         |
| <b>Temp. Coefficient</b>                   | $\leq 100\text{ppm}/^\circ\text{C}$   |          |          |          |         |
| <b>Output Range</b>                        | 0 to rating voltage continuously adjustable   |          |          |          |         |
| CONSTANT CURRENT OPERATION                 |   |          |          |          |         |
| <b>Regulation</b>                          | Line regulation $\leq 3\text{mA}$<br>Load regulation $\leq 3\text{mA}$  |          |          |          |         |
| <b>Ripple Current</b>                      | $\leq 3\text{mA}_{\text{rms}}$ (SPS-606)<br>$\leq 5\text{mA}_{\text{rms}}$ (SPS-3610)<br>$\leq 10\text{mA}_{\text{rms}}$ (SPS-2415)<br>$\leq 10\text{mA}_{\text{rms}}$ (SPS-1820)<br>$\leq 30\text{mA}_{\text{rms}}$ (SPS-1230) |          |          |          |         |
| <b>Output Range</b>                        | 0 to rating current continuously adjustable<br>(HI/LO range switchable)   |          |          |          |         |
| METER                                      |   |          |          |          |         |
| <b>Digital</b>                             | 3 1/2 digits, 0.39" LED display<br>Accuracy $\pm (0.5\% \text{ of rdg} + 2\text{digits})$   |          |          |          |         |
| INSULATION                                 |   |          |          |          |         |
| <b>Chassis and Terminal</b>                | 20M $\Omega$ or above (DC 500V)   |          |          |          |         |
| <b>Chassis and AC Cord</b>                 | 30M $\Omega$ or above (DC 500V)   |          |          |          |         |
| POWER SOURCE                               |   |          |          |          |         |
| AC 115V/ 230V $\pm 15\%$ , 50/60Hz         |   |          |          |          |         |
| DIMENSIONS & WEIGHT                        |   |          |          |          |         |
| 128(W) x 145(H) x 285(D) mm, Approx. 3.2kg |   |          |          |          |         |

### Rear Panel



### 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