



GPS-1830D/1850D/3030D



GPS-1850/3030/6010



GPS-3030DD



FEATURES

- * Light and Compact Design
- * 0.01% High Regulation
- * Constant Voltage and Constant Current Operation
- * Remote Control for External Programmability
- * Internal Select for Continuous or Dynamic Load
- * Low Ripple and Noise
- * Overload and Reverse Polarity Protection
- * Series or Parallel Operation
- * Optional European Type Jack Terminal for GPS-3030/GPS-3030D/GPS-3030DD

The GPS-Series are single output, 54 to 90W, linear DC power supplies. The GPS-Series include both analog and digital display meters with varying power outputs. The GPS-Series feature overload and reverse polarity protection as well as high regulation and low ripple/noise that are maintained at 0.01% and < 1mVrms, respectively. Continuous or dynamic internal load selection accommodates applications such as pulsed current. Remote control terminals offer programming and operation from an external device.

| SPECIFICATIONS | |
|---|--|
| CONSTANT VOLTAGE OPERATION | |
| Regulation | Line regulation $\leq 0.01\% + 3mV$ Load regulation $\leq 0.01\% + 3mV$ (rating current $\leq 3A$) $\leq 0.01\% + 5mV$ (rating current $> 3A$) |
| Ripple & Noise | $\leq 0.5mVrms$ 5Hz ~ 1MHz (rating current $\leq 3A$) $\leq 1mVrms$ 5Hz ~ 1MHz (rating current $> 3A$) |
| Recovery Time | $\leq 100\mu S$ (50% load change, minimum load 0.5A) |
| Temp. Coefficient | $\leq 300 ppm / ^\circ C$ |
| Output Range | 0 to rating voltage continuously adjustable |
| CONSTANT CURRENT OPERATION | |
| Regulation | Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 3mA$ |
| Ripple Current | $\leq 3mA_{rms}$ |
| Output Range | 0 to rating current continuously adjustable (Hi / Lo range switchable) |
| METER | |
| Analog | V-meter and I-meter 2.5 class Dimensions 50 x 50 mm |
| Digital | 3 1/2 digits 0.5" LED display (GPS-1830D/1850D/3030D) 3 1/2 digits 0.39" LED display (GPS-3030DD) 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 100V/120V/220V/240V $\pm 10\%$, 50/60Hz | |
| DIMENSIONS | |
| 128(W) x 145(H) x 285(D) mm | |

| ORDERING INFORMATION | | | | |
|--|------------|-----------------|----------------|-------------|
| | Model | Output Volts(V) | Output Amps(A) | Weight (kg) |
| | GPS-1850 | 0 ~ 18 | 0 ~ 5 | 5.5 |
| | GPS-3030 | 0 ~ 30 | 0 ~ 3 | 5 |
| | GPS-6010 | 0 ~ 60 | 0 ~ 1 | 4 |
| | GPS-1830D | 0 ~ 18 | 0 ~ 3 | 4 |
| | GPS-1850D | 0 ~ 18 | 0 ~ 5 | 5 |
| | GPS-3030D | 0 ~ 30 | 0 ~ 3 | 5 |
| | GPS-3030DD | 0 ~ 30 | 0 ~ 3 | 5 |
| ACCESSORIES : | | | | |
| User manual x 1 , Power cord x 1 | | | | |
| Test lead GTL-105 x 1 ($\leq 3A$) or GTL-104 x 1 ($\leq 10A$) | | | | |
| European test lead GTL-203 x 1 ($\leq 3A$) or GTL-204 x 1 ($\leq 10A$) | | | | |

POWER SUPPLIES