

## GPS-Series Specifications

The specifications apply when the GPS-Series is powered on for at least 30 minutes under +20°C~+30°C.

| DC OUTPUT                  |   |                 |
|----------------------------|---|-----------------|
|                            | Output Volts (V)  | Output Amps (A) |
| GPS-1850                   | 0 ~ 18  | 0 ~ 5           |
| GPS-3030                   | 0 ~ 30  | 0 ~ 3           |
| GPS-6010                   | 0 ~ 60  | 0 ~ 1           |
| GPS-1830D                  | 0 ~ 18  | 0 ~ 3           |
| GPS-1850D                  | 0 ~ 18  | 0 ~ 5           |
| GPS-3030D                  | 0 ~ 30  | 0 ~ 3           |
| GPS-3030DD                 | 0 ~ 30  | 0 ~ 3           |
| CONSTANT VOLTAGE OPERATION |   |                 |
| Regulation                 | Line regulation $\leq 0.01\% + 3\text{mV}$<br>Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ )<br>Load regulation $\leq 0.01\% + 5\text{mV}$ (rating current $> 3\text{A}$ ) |                 |
| Ripple & Noise             | $\leq 0.5\text{mVrms}$ 5Hz ~ 1MHz (rating current $\leq 3\text{A}$ )<br>$\leq 1\text{mVrms}$ 5Hz ~ 1MHz (rating current $> 3\text{A}$ )   |                 |
| Recovery Time              | $\leq 100\mu\text{S}$ ( 50% load change, minimum load 0.5A )  |                 |
| Temp. Coefficient          | $\leq 300\text{ppm}/^\circ\text{C}$   |                 |
| Output range               | 0 to rating voltage continuously adjustable   |                 |
| CONSTANT CURRENT OPERATION |   |                 |
| Regulation                 | Line regulation $\leq 0.2\% + 3\text{mA}$<br>Load regulation $\leq 0.2\% + 3\text{mA}$  |                 |
| Ripple Current             | $\leq 3\text{mA}_{\text{rms}}$  |                 |
| 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 digital 0.5" LED display (3030D)  |                 |
|                            | 3 1/2 digital 0.39" LED display (3030DD)  |                 |
|                            | Accuracy $\pm(0.5\%$ of rdg + 2 digits)   |                 |
| INSULATION                 |   |                 |
| Chassis and Terminal       | 20M $\Omega$ or above (DC 500V)   |                 |
| Chassis and AC Cord        | 30M $\Omega$ or above (DC 500V)   |                 |
| POWER SOURCE               |   |                 |
|                            | AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz   |                 |
| ACCESSORIES                |   |                 |
|                            | User manual x 1<br>Power cord x 1<br>Test lead GTL-105 x 1<br>European test lead GTL-201A (optional)  |                 |
| DIMENSIONS & WEIGHT        |   |                 |
|                            | 128(W) x 145(H) x 285(D)mm<br>Approx. 5kg   |                 |