

# GPS Series

90 WATT LINEAR

## FEATURES

- Single Output
- 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



## SPECIFICATIONS

### CONSTANT VOLTAGE OPERATION

Line regulation	$\leq 0.01\% + 3\text{mV}$
Load regulation	$\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ ) $\leq 0.01\% + 5\text{mV}$ (rating current $> 3\text{A}$ )
Ripple & noise	$\leq 0.5\text{mVrms}$ 5Hz ~ 1MHz (rating current $\leq 3\text{A}$ ) $\leq 1\text{mVrms}$ 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

Line regulation	$\leq 0.2\% + 3\text{mA}$
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

Digital	3 1/2 digits 0.5" LED display
Accuracy	$\pm( 0.5\% \text{ of rdg} + 2 \text{ digits} )$

### INSULATION

Chassis and terminal	20M $\Omega$ or above DC 500V
Chassis and AC cord	30M $\Omega$ or above DC 500V
Safety	IEC/EN61010-1
CE mark	Yes

### POWER SOURCE

Input voltage	AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz
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### DIMENSIONS & WEIGHT

Case	128(W) x 145(H) x 285(D)mm Approx. 5kg
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## SELECTION TABLE

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER
GPS-1830D	0-18V	0-3A	54W
GPS-1850D	0-18V	0-5A	90W
GPS-3030D	0-30V	0-3A	90W