

## GPS Series



### 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

### Safety



### Description

### Specification

DC OUTPUT		
	Output Volts (V)	Output Amps (A)
<b>GPS-1850</b>	0 ~ 18	0 ~ 5
<b>GPS-3030</b>	0 ~ 30	0 ~ 3
<b>GPS-6010</b>	0 ~ 60	0 ~ 1
<b>GPS-1830D</b>	0 ~ 18	0 ~ 3
<b>GPS-1850D</b>	0 ~ 18	0 ~ 5
<b>GPS-3030D</b>	0 ~ 30	0 ~ 3
<b>GPS-3030DD</b>	0 ~ 30	0 ~ 3
CONSTANT VOLTAGE OPERATION		
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ ) Load regulation $\leq 0.01\% + 5\text{mV}$ (rating current $> 3\text{A}$ )	
Ripple & Noise	$\leq 0.5\text{mVrms}$ 5Hz ~ 1MHz (rating current $\leq 3\text{A}$ ) $\leq 1\text{mVrms}$ 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 $\leq 0.2\% + 3\text{mA}$ 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 $\pm(0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal	20M $\Omega$ or above (DC 500V)
Chassis and AC Cord	30M $\Omega$ or above (DC 500V)
POWER SOURCE	
	AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz
ACCESSORIES	
	User manual x 1 Power cord x 1 Test lead GTL-105 x 1 European test lead GTL-201A (optional)
DIMENSIONS & WEIGHT	
	128(W) x 145(H) x 285(D)mm Approx. 5kg

## ■ Accessories

User Manual X 1, Power Cord X 1

GTL-105\*1 ( $\leq 3\text{A}$ ) or GTL-104\*1 ( $\leq 10\text{A}$ )

European Test Lead GTL-203\*1 ( $\leq 3\text{A}$ ) or GTL-204\*1 ( $\leq 10\text{A}$ )

## ■ Ordering Information

SELECTION GUIDE					
	Display Meter	Output Watts (W)	Output Volts (V)	Output Amps (A)	Weight (kg)

<b>GPS-1850</b>	<b>Analog</b>	<b>90W</b>	0 ~ 18	0 ~ 5	5.5
<b>GPS-3030</b>	<b>Analog</b>	<b>90W</b>	0 ~ 30	0 ~ 3	5
<b>GPS-6010</b>	<b>Analog</b>	<b>60W</b>	0 ~ 60	0 ~ 1	4
<b>GPS-1830D</b>	<b>Digital</b>	<b>54W</b>	0 ~ 18	0 ~ 3	4
<b>GPS-1850D</b>	<b>Digital</b>	<b>90W</b>	0 ~ 18	0 ~ 5	5
<b>GPS-3030D</b>	<b>Digital</b>	<b>90W</b>	0 ~ 30	0 ~ 3	5
<b>GPS-3030DD</b>	<b>Digital</b>	<b>90W</b>	0 ~ 30	0 ~ 3	5

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