



GPS-1830D/1850D/3030D



GPS-1850/3030/6010



GPS-3030DD



The GPS-Series is single output, 54 to 90W, linear DC power supply. Overload and reverse polarity protection keep GPS and loads safe from unexpected conditions. High regulation and low ripple/noise are maintained at 0.01% and less than 1mVrms, respectively. Internal load selection, continuous or dynamic, accommodates applications such as pulsed current. Remote control terminal offers programming and operation from external device. The GPS Series is an ideal solution for lightweight, inexpensive bench-top or portable applications requiring high regulation.

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 each one 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	$20M\Omega$ 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	
DIMENSIONS	
128(W) x 145(H) x 285(D) mm	

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 Function for GPS-3030DD
- * Optional European Jack Type Terminal for GPS-3030/GPS-3030D/GPS-3030DD

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-203x1 ($\leq 3A$) or GTL-204x1 ($\leq 10A$), GTL-201Ax1 (for GPS-3030,GPS-3030D,GPS-3030DD)				