



GPS-Series



GPS-3030DD



FEATURES

- * Light and Compact Design
- * 0.01% High Regulation
- * Constant Voltage and Constant Current Operation
- * Remote Control for External Programmable
- * 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-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
Digital	Dimensions 50 x 50 mm 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)

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 ($\leq 3A$) or GTL-104 x 1 ($\leq 10A$)

DIMENSIONS

128(W) x 145(H) x 285(D) mm

ORDERING INFORMATION

	Model	Output Volts(V)	Output Amps(A)	Weight (kg)	
	GPS-1850	90W D.C. Power Supply	0 ~ 18	0 ~ 5	5.5
	GPS-3030	90W D.C. Power Supply	0 ~ 30	0 ~ 3	5
	GPS-6010	60W D.C. Power Supply	0 ~ 60	0 ~ 1	4
	GPS-1830D	54W D.C. Power Supply	0 ~ 18	0 ~ 3	4
	GPS-1850D	90W D.C. Power Supply	0 ~ 18	0 ~ 5	5
	GPS-3030D	90W D.C. Power Supply	0 ~ 30	0 ~ 3	5
	GPS-3030DD	90W D.C. Power Supply	0 ~ 30	0 ~ 3	5