

LINEAR D.C. POWER SUPPLY



GPS-1830D/1850D/3030D



GPS-1850/3030/6010



GPS-3030DD



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

The GPS-Series are single output, 54 to 90W, linear DC power supplies. The GPS-Series include both analog and digital display meters with varying power outputs. The GPS-Series feature overload and reverse polarity protection as well as high regulation and low ripple/noise that are maintained at 0.01% and < 1mVrms, respectively. Continuous or dynamic internal load selection accommodates applications such as pulsed current. Remote control terminals offer programming and operation from an external device.

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	$\leq 3mArms$
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 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 Chassis and AC Cord	20M Ω or above (DC 500V) 30M Ω 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	

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-203 x 1 ($\leq 3A$) or GTL-204 x 1 ($\leq 10A$)				

TRIPLE OUTPUT LINEAR D.C. POWER SUPPLY



GPC-1850D/3030D/3060D/6030D

Patent No: 81011
(Note: GPC-3060D/6030D are not CE approved.)



GPC-3030DQ



FEATURES

- * Four Digital Panel Meters (GPC-3030DQ)
- * Triple Output
- * Auto Tracking
- * Auto Series and Parallel Operation
- * Constant Voltage and Constant Current Operation
- * Low Ripple and Noise
- * Internal Select for Continuous or Dynamic Load
- * Overload and Reverse Polarity Protection
- * 3 1/2 Digits 0.39" LED Display(GPC-3030DQ)
- * 3 1/2 Digits 0.5" LED Display(GPC-1850D/3030D/3060D/6030D)
- * 5V, 3A Fixed Output

The GPC-Series are triple output, 195 to 375W, linear DC power supplies. Channel 1 and 2 are fully adjustable (model dependant) and channel 3 is fixed at 5V/3A with ripple and noise at less than 2mVrms. Overload and reverse polarity protection keep GPC-Series and its loads safe from unexpected conditions. The GPC-3030DQ contains a temperature controlled cooling fan for thermal protection. The GPC features continuous or dynamic internal load selection and series or parallel tracking for application flexibility. The GPC-Series is an ideal solution for inexpensive bench-top applications requiring low noise and multiple outputs.

SPECIFICATIONS	
OPERATION MODE	
Independent	Two independent outputs and 5V fixed output
Series	Output from 0 to rating volts and 0 to rating amperes
Parallel	Output from 0 to \pm rating volts at rating amperes each Output from 0 to double rating volts at rating amperes Output from 0 to double rating amperes at rating volts
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 $\leq 10A$) $\leq 0.02\% + 5mV$ (rating current $\geq 10A$)
Ripple & Noise	$\leq 1mVrms$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu S$ (50% Load change, Minimum load 0.5A)
CONSTANT CURRENT OPERATION	
Regulation	Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 3mA$ (for GPC-1850D/GPC-3030D/GPC-3030DQ) Load regulation $\leq 0.2\% + 5mA$ (for GPC-3060D/GPC-6030D)
Ripple Current	$\leq 3mArms$
5V FIXED OUTPUT	
Regulation	Line regulation $\leq 5mV$ Load regulation $\leq 10mV$
Ripple & Noise	$\leq 2mVrms$
Voltage Accuracy	$5V \pm 0.25V$
Output Current	3A
TRACKING OPERATION	
Tracking Error	$\leq 0.5\% + 10mV$ of the master
Series Regulation	$\leq 300mV$
METER	
Digital	3 1/2 digits 0.5" LED display 3 1/2 digits 0.39" LED display (for GPC-3030DQ) Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal	20M Ω or above (DC 500V) 100M Ω or above (DC 1000V) (for GPC-3060D/6030D)
Chassis and AC Cord	30M Ω or above (DC 500V) 100M Ω or above (DC 1000V) (for GPC-3060D/6030D)
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz	
DIMENSIONS	
255(W) x 145(H) x 346(D) mm	

ORDERING INFORMATION					
	Model	Independent	Series	Parallel	Weight (kg)
	GPC-1850D	0 ~ 18V/0 ~ 5A) x 2, (5V/3A MAX) x 1	36V 5A	18V 10A	11.5
	GPC-3030D	0 ~ 30V/0 ~ 3A) x 2, (5V/3A MAX) x 1	60V 3A	30V 6A	11.5
	GPC-6030D	0 ~ 60V/0 ~ 3A) x 2, (5V/3A MAX) x 1	120V 3A	60V 6A	18.5
	GPC-3060D	0 ~ 30V/0 ~ 6A) x 2, (5V/3A MAX) x 1	60V 6A	30V 12A	18.5
	GPC-3030DQ	0 ~ 30V/0 ~ 3A) x 2, (5V/3A MAX) x 1	60V 3A	30V 6A	11.5
ACCESSORIES :					
User manual x 1, Power cord x 1					
Test lead GTL-105 x 1 ($\leq 3A$) or GTL-104 x 2 ($\leq 10A$)					
European test lead GTL-203 x 1 ($\leq 3A$) or GTL-204 x 2 ($\leq 10A$)					
OPTIONAL ACCESSORIES					
GRA-401 Rack Adapter Panel					

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [GW Connect](#) manufacturer:

Other Similar products are found below :

[93601-0203](#) [93601-2956](#) [93601-4227](#) [93604-0103](#) [93604-0109](#) [GDS-2072A](#) [GDS-2074E](#) [GDS-2202E](#) [GPE-1326](#) [GPT-9603](#) [PSW 160-7.2](#)
[PSW 80-13.5](#) [AFG-2105](#) [93601-0318](#) [93601-0321](#) [93603-0066](#) [AFG-2025](#) [AFG-2125](#) [GAG-810](#) [GDS-1072B](#) [GDS-2102E](#) [GDS-2104A](#)
[GDS-2204A](#) [GDS-3152](#) [GPE-3323](#) [GPS-3030DD](#) [PPH-1503](#) [PSW 80-27](#) [GTL-115](#) [GTP-251R](#) [SPD-3606](#) [AFG-2005](#) [7810.6520.0](#)
[7806.6501.0](#) [GFG-8219A](#) [GDS-1152A-U](#) [PSW 30-72](#) [GFG-3015 + RS232](#) [GPM-001](#) [LCR-6200](#) [LCR-914](#) [MDO-2072EG](#) [MDO-2104EX](#)
[MDO-2204EG](#) [MSO-2102E](#) [MSO-2102EA](#) [MSO-2104E](#) [MSO-2104EA](#) [MSO-2202EA](#) [93604-0121](#)