



GPS

3000 series

A full line of DC power supplies with a wide range of voltage, current, and power outputs, as well as optimal safety features

The series can deliver clean, stable and precise output power due to the supplies' exceptionally low ripple and noise, low temperature coefficient, excellent regulation and fast transient response time characteristics. Built for compactness to use less workspace, the overload protection and output On/Off switch keep the unit and loads safe from unexpected conditions making these power supplies are also highly durable and rugged. With the ability to continuously monitor voltage and current output independently on two/four digital meters; to connect two supplies in parallel (to double the current output) and to connect two supplies in series (to double the voltage output), this series of single- and multiple-output power supplies are the ideal solution for a light-weight affordable unit for both the laboratory and on the field.



Figure 1 Model shown GPS-3303D

Key Features

- Operate continuously at full load without overheating
- Fully overload protected
- Coarse and fine voltage controls
- High load/line regulation
- Very low ripple
- Constant voltage (CV) or constant current (CC) operation
- Touch-proof safety terminals
- Choice of models available

Ideal for

- Education
- Design
- Research
- Automated testing

Part Numbers

GPS-3020S	510902
GPS-3305S	510080
GPS-3303S	510120
GPS-3603D	560678
GPS-3306D	560355
GPS-3303D	560214

Technical Specifications

Model	GPS-3303D			GPS-3306D			GPS-3603D			GPS-3303S	GPS-3305S	GPS-3020S
Max. Power Output	190 W			375 W			375 W			90 W	150 W	600 W
Output Mode:	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH1	CH1
Voltage	0-30V		2.2-5.2V	0-30V		5V	0-60V		5V	0-30V	0-30V	0-30V
Current	0-3A		1A	0-6A		3A	0-3A		3A	0-3A	0-5A	0-20A
Tracking Series Voltage	0-60V		---	0-60V		---	0-120V		---	---	---	---
Tracking Parallel Current	0-6A		---	0-12A		---	0-6A		---	---	---	---
Constant Voltage Operation (CH1, CH2)												
Line Regulation	$\leq 0.01\% + 3mV$											
Load Regulation	$\leq 0.01\% + 3mV$ (rating current $\leq 3A$) $\leq 0.02\% + 3mV$ (rating current $>3A$)											
Ripple & Noise	$\leq 1mV_{rms}$, 5Hz ~ 1MHz											
Recovery Time	$\leq 100\mu S$ (50% Load change, Minimum load 0.5A)											
Constant Current Operation (CH1, CH2)												
Line Regulation	$\leq 0.2\% + 3mA$											
Load Regulation	$\leq 0.2\% + 3mA$											
Ripple & Noise	$\leq 3mArms$											
Tracking Operation												
Tracking Error	$\leq 0.5\% + 10mV$ (CH1)											
Series Regulation	$\leq 300mV$											
Load Regulation	$\leq 0.01\% + 3mV$											
Ripple & Noise	$\leq 2mV_{rms}$, 5Hz ~ 1MHz											
CH3 Specification												
Line Regulation (CH3)	$\leq 5mV$											
Load Regulation (CH3)	$\leq 15mV$											
Ripple & Noise (CH3)	$\leq 2mV_{rms}$, 5Hz-1MHz											
Current Output (CH3)	GPS-3303: 1A, GPS-3305: 3A											
Display	3 Digit 0.5" LED display; Voltage Meter: Resolution: 100mV, Accuracy: 0.3% of reading Current Meter: Resolution: 10mA, Accuracy: 0.6% of reading											

Standard Accessories

User manual
Power cord

Power

AC 230V $\pm 10\%$, 50Hz

EMC

Complies with EN61010-1 and EN61326

Chassis and Terminal

\geq DC 500V / 20M

General Specifications

Dimensions (GPS-3303D/3306D/3603D)

280 x 255 x 145mm / 11 x 10 x 6" (w x d x h) approx.

Mass

7.0kg/15.4lbs approx.

Dimensions (GPS-3303S & 3305S)

260 x 150 x 145mm / 10 x 6 x 6 (w x d x h) approx.

Mass

4.0kg/8.8lbs approx.

Dimensions (GPS-3020S)

280 x 255 x 185mm / 11 x 10 x 7" (w x d x h) approx.

Mass

20.0kg/44.0lbs approx.

Services

1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
Service and calibration available.

Please contact for more information

www.gpslimited.com/3000
For all enquiries, Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com