



GPS-

3004

Versatile multi-channel power supply designed to meet various electronic testing and development needs.

This device features a compact design, allowing it to fit seamlessly into laboratories and workspaces, while its robust construction ensures durability and reliability in demanding environments. The GPS-3004 offers multiple output channels, providing the flexibility to power a variety of devices simultaneously. Its adjustable voltage and current settings enable users to customize the power output to suit specific applications, such as prototyping, testing, and research. The device is equipped with user-friendly controls, including a clear digital display that offers real-time monitoring of output parameters, enhancing usability and precision.

Additionally, built-in protection features safeguard against over-voltage, over-current, and short-circuits, ensuring safe operation. With its combination of performance, safety, and adaptability, the GPS-3004 is an essential tool for engineers, researchers, and developers working on electronic projects.



Key Features

- 4-channel and maximum total output power of 384W
- Each channel has a rated maximum power of 160W, a maximum output voltage of 32V, and a maximum output current of 10A
- List sequence output function
- Synchronous output; in synchronous mode, if any parameter is changed, the corresponding parameters of other channels will also change proportionally
- Electronic fuses. Limits for all protection functions can be configured separately for each channel, and the delay time of electronic fuses can be set
- Simulate battery charging curve function
- Remote voltage compensation function to ensure usage accuracy
- All channels have overload and short circuit protection
- OCP/OVP/OTP protection function
- Widely used in laboratory and ATE applications

www.gpslimited.com/3004
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Technical Specifications

Model	GPS-3004	
Rated input voltage	AC 110V/220V±10%	
Output	All channel outputs are currently isolated and ungrounded	
Rated output power	160W*4CH	
Rated output voltage	0-32V*4CH	
Rated output current	0-10A*4CH	
Variable pressure mode	Linear power supply	
Maximum voltage when connected in series	128V	
Maximum current when connected in parallel	40A	
Load regulation rate	Voltage	Current
	≤0.01 % + 2 mV	≤0.01 % + 250 μA
Power supply regulation	Voltage	Current
	≤0.01% + 2 mV	≤0.01% + 250 μA
Set value resolution	Voltage	Current
	1mV	< 1 A: 0.2mA; ≥ 1 A: 1 mA
Setting accuracy (25°C±5°C)	Voltage	Current
	≤0.05% + 5 mV	≤ 0.1% + 5 mA
Readback value resolution	Voltage	Current
	1mV	< 1 A: 0.2mA; ≥ 1 A: 1 mA
Readback accuracy (25°C±5°C)	Voltage	Current
	≤0.05% + 5 mV	≤ 0.1% + 2 mA
Ripple(20Hz-20MHz)	Voltage	Current
	≤1.5 mV (RMS)	≤1 mA (RMS)
Sense compensates	Maximum voltage compensation 1V	
Remote communication time	Handling < 50ms	
Electronic fuse	Response time < 10ms Fuse delay 0 ms to 250 ms (10 ms step)	
Interface	RS-232+USB (standard) LAN (optional)	

General Specifications

Dimensions

285x 136 x 405mm (w x d x h) approx.

Mass

14.0 kg

Operating:

5°C ~ 40°C (storage -20°C to 70°C)

Relative humidity ≤ 80%

3000m (operating), 15000m (non-operating)

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

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