



GDUP-3000 Pure Sine Wave On-site AC Test Power Supply



General Information

The GDUP-3000 is a versatile portable pure sine wave on-site AC test power supply. Also known as on-site AC and DC test power supply, AC and DC emergency power supply, field test power supply, mobile test power supply. It has a safe power lithium-ion battery and efficient SPWM inverter conversion technology, with light weight, small size, long life and high capacity.

Application

Widely used in outdoor equipment such as power equipment emergency repair, power field test, mobile office, medical rescue, fire emergency rescue, environmental protection, emergency communication support, and power storage backup. It also

provides a safe and reliable power source for instruments in the laboratory or in the field.

Main Application

1. 220V/50Hz pure sine wave AC output
2. Can customize 110V, 60Hz output (export to Japan and the European Union)
3. 12V/10A DC output, 5V/2A-USB dual port output;
4. 24V/20A DC output;
5. LED emergency lighting;
6. Intelligent display, display battery digital power, input and output power and remaining working time;
7. Car charger, solar charging (optional)

Features

- Built-in large-capacity polymer lithium battery, large capacity, extremely safe charging and discharging, no burning, no explosion.
- More than 1000 charge and discharge cycles.
- Work well within -20 °C ~ +50 °C.
- High performance, no pollution, environmental-friendly.
- Small self-discharge: at room temperature for one month, self-discharge less than 5%.
- With DC 5, 12, 24V output, AC 110V/220V output.
- It has cascading output function, which can realize automatic switching between main and auxiliary power sources, and extend the power supply time through multi-stage cascading.

- Large size LCD screen, eye-catching display voltage, current and other parameters.
- AC pure sine wave output with strong load capacity.
- It has automatic protection functions such as overcharge, over discharge, overload, overheat and short circuit.
- Smaller, lighter and stronger: the battery of the same capacity is 50% less than the weight of lead acid. Under the same load-bearing capacity, the floor space is only about 30% of the lead-acid battery.
- Configure a special backpack, easy to carry.
- The battery capacity retention rate stored for 12 months is ≥ 80 .
- Protection level of battery: IP56.

Specification

Model	GDUP-3000
Continuous output power	3000W
Peak power	6000W
Output voltage	AC pure sine wave 220V/50Hz or AC 110V/60Hz DC 12V10A 5V2A 24V20A 51.8V50A 5V2A

Battery model	18650—22P14S (3.7V 2600mAh)
Capacity	51.8V 57.2AH
Service life	70%@1000 cycle
Charging time	5~6 hours (internal charger 58.8V 10A)
Protection	Over-voltage, over-temperature, over-load, AC short circuit, auto recovery
Work condition	-20°C ~ 60°C
Cooling method	Fan forced cooling
Size	L515.5*W434.5*H270 (mm)
Material of shell	Anti-shock ABS
Weight	33kg

Test

No	Test item	Test conditions	Check item
1	Altitude test	1. Pressure $\leq 11.6\text{Kpa}$, $T = 20 \pm 5^\circ\text{C}$ 2. No package, no electricity	1. Appearance 2. Performance of power supply
2	Temperature test	1. Temperature between $40 \pm 2^\circ\text{C}$ and $75 \pm 2^\circ\text{C}$ The test is repeated for 10 times Power on for 30 minutes.	1. Appearance 2. Performance of power supply

3	Vibration test	<p>Amplitude: 1.52mm</p> <p>Scanning frequency range: 5~10Hz, scanning speed: about 10m2/ S3,</p> <p>Scanning frequency range: 0~200Hz, scanning speed: about 3m2/ S3,</p> <p>Scanning frequency range: 200~500Hz, scanning speed: about 1m2/ S3,</p> <p>Every vibration test lasts for 20 minutes. The vibration happens from all directions of X, Y and Z axis. The appearance remains intact, the product can pass all functional tests, and text on the label is clear, as well as function instructions. The product has no vibration and no noise; The screw is firmly fastened without sliding.</p>	<p>1. Appearance</p> <p>2. Performance of power supply</p>
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