The size and specifications of this product are subject to change due to ongoing upgrades by us.
Please refer to the latest information, as this information may change without prior notice.

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# PowerGiant 3600 High-Performance Industrial Mobile Power Station



# PowerGiant 3600 High-Performance Industrial Mobile Power Station

The PowerGiant 3600 is a next-generation High-Performance Industrial Mobile Power Station featuring 230VAC input/output, a high-capacity rated energy storage of 2304Wh, and a peak power output of 20000W. With a lightweight design and IP54-rated protection against dust and moisture, it is built to withstand demanding environments. The product supports remote monitoring via a dedicated app, Bluetooth connectivity, and Remote Firmware Upgrade, while integrating multi-protection systems and air-cooled thermal management. Boasting over 97% efficiency and a 2.5-hour recharge time, it is ideal for construction sites, outdoor activities, agricultural equipment, and industrial applications, delivering reliable power wherever needed.




## Fully Self-Developed, Setting a New Benchmark in High-Performance Industrial Mobile Power Station

**Advanced Power Electronics Technology**

Equipped with the latest self-developed power chips

Inside Psemic

**Intelligent Interaction**

Integrated with the PowerGiant App

**Firmware Upgrade**

Bluetooth Transmission with Intelligent O&M




**Modular Metal Structure Design**

Robust protection, drop

**User-centric Design**

Portable and easy to operate

**High Protection Rating**

Unaffected by dust or moisture

CE (CCC) UN38.3 RoHS REACH

| | | |
|---|---|---|
| 3600W Rated Power | 20000W Peak Power | 2.5h Charging Time |
| >97% Efficiency | 2.3kWh Rated Capacity | IP54 High Protection Level |

# Application




# High-Power, Intelligent, and System-Level Safe Portable Power Solutions

## System-Level Safety Guarantee

- Multiple Safety Protections: Built-in overcharge, high-temperature, low-temperature, short-circuit, and electrostatic discharge protections.
- Remote Firmware Upgrade: Based on Bluetooth transmission, synchronize the latest strategies and continuously optimize performance.
- Intelligent Balancing Management: Real-time monitoring of each battery cell's working status, automatic balancing strategy ensures stable cell performance and extends service life.
- Efficient Heat Dissipation System: Built-in air cooling effectively controls battery temperature, enhancing safety and reliability.
- 0 noise: Operating sound is **less than 30dB**.

## User-Friendly Design

- Multi-Support Point Design: Upright placement saves space, flat placement is stable and reliable, adapting to various usage scenarios.
- Portability: Weight is **24kg**, ergonomic design allows easy one-handed carrying.
- High Protection Level: **IP54 rated**, effectively protecting against dust and moisture, suitable for diverse and complex environments.
- Smart Interaction: Supports App remote configuration of charging parameters, real-time monitoring of power, charge/discharge power, etc., with simple and intuitive operation.
- Status Visualization: LED indicator clearly displays remaining power and working status at a glance.




## High-Power Performance

- Powerful Output: Continuous output power up to **3600W**, peak power up to **20000W**, easily handling high-load demands.
- Fast Charging: Maximum continuous input power of **1200W**, charging time less than **2.5 hours**, efficient energy recovery.
- High Efficiency: Maximum overall efficiency reaches **97%**, reducing energy loss and providing longer battery life.

## Intelligent & Flexible Experience

- Customized Service: Full-stack self-developed and manufactured, supporting deep customization of appearance, functions, and solutions to meet individual needs.
- Intelligent Interaction: **PowerGiant App** provides real-time monitoring of product operating status.



# Technical Parameters

## PowerGiant 3600 High-Performance Industrial Mobile Power Station

| | |
|---|---|
| **Basic Parameters** | |
| Product Name | PG3600 |
| Product Model | PHS3600P |
| Net Weight | 24kg |
| Dimension((WxHxD)) | 526*485*211mm |
| Capacity | 2304Wh |
| Protection Rating | IP54 |
| Cooling Method | Natural Cooling |
| Operating Altitude | 2000 meters |
| Indicator | 10 - level battery level indicator |
| Standards | IEC 62619, UN 38.3, IEC 62477, IEC61000 |
| **Output Specification** | |
| Rated Output Voltage | 230V, Pure sine wave |
| Rated Output Voltage Range | 230±5Vac |
| Rated output frequency | 50Hz |
| Rated Output Power | 3,600W |
| 150% Overload | 4000W~5400W, >500s |
| 200% Overload | 5400W~7200W, >50s |
| 250% Overload | 7200W~9000W, >10s |
| Other Overload | >9000W, >1s |
| Peak Power | 20000W |
| Output Peak Current | 140A (Max. Instantaneous Value) |
| No - load Power Consumption | ≤30W |
| **Input Specification** | |
| Rated Input Voltage | 230Vac |
| Rated Input Voltage Range | 176~264 Vac |
| Input frequency range | 45~65Hz |
| Max. Input Power | 1200W |
| Rated Input Current | 6A (Max. Input Current 8A) |
| **Operating Temperature** | |
| Operating Temperature | Charge at 5 to 40℃, Discharge at -15℃ to 55℃ |
| Storage Temperature | -20℃ to 60℃ (1 month); -20℃ to 45℃ (3 months) |
| Operating Humidity | 10~90% RH |
| Storage Humidity | 5~95% RH |




# Application Scenarios



## Color Options



**Professional Power.**
**In Color.**

- Mecha Grey
- Blaze Orange
- Obsidian Black

## Load Operation

Unleash 20,000W peak power, backed by 3,600W sustained output. Your most reliable partner for intense tasks and demanding conditions.

### 3kW Arc Welder

230 V, Ø2.5 mm electrodes: **45–55 welds**
230 V, Ø3.2 mm electrodes: **35–45 welds**

### 3.2kW Core Drill

Up to **11 holes**
(Ø150 mm × depth 150 mm)

### 1.4kW Drill

230 V, up to **243 holes**
(Ø35 mm × depth 10 mm)

### 2.7kW Cutting Saw

Up to **41 cuts** on
Ø110 mm cast-iron pipes

### 2.2kW Demolition Hammer

Breaks up to **8.2 tons** of concrete slabs

### Industrial Vacuum Cleaner

Suction capacity:
**8,500 liters**

### 2.3kW Pump

Maximum delivery: **50,000 liters**
(Flow rate: 780 L/min;
Operating time: 64 minutes)

# Digital Intelligent Monitoring App

PowerGiant App is an intelligent monitoring assistant for mobile power stations. By connecting the stations via bluetooth, data management and parameter setting for mobile power stations can be achieved.




## Real-time Status Monitoring

Collect and display real-time operating data such as input and output power, temperature, and electric quantity.

01

02

## Data Dashboard

Get 100 historical charging/discharging records.

## Fault Alerts

Instant notifications for device abnormalities, push warning information including fault types and solutions.

03

04

## Remote Settings

Support remote adjustment of charging power and other parameters to achieve non-contact management.

Scan to download PowerGiant App