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PowerGiant App



PowerGiant 3600 High-Performance Industrial Mobile Power Station



Pingalax Digital Energy Technology Co., Ltd.

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ABOUT PINGALAX

PINGALAX Digital Energy Technology Co., Ltd. is a leading Chinese technology company integrating chip design, semiconductor materials, customized packaging and testing, application solutions, and digital energy across the entire value chain.

PINGALAX adheres to a dual-driven innovation and R&D mechanism of "customer empowerment" and "technology innovation leadership." Nearly 60% of its employees are engaged in R&D, with over 30% holding master's or doctoral degrees. PINGALAX has maintained R&D investment exceeding 20% for the past three years and possesses a world-class chip design and development platform. PINGALAX has built its own comprehensive automotive-grade reliability testing center and a digital packaging and testing workshop for semiconductor chips. PINGALAX has successfully constructed and commissioned the first automotive-grade power module production line in Western China compatible with both nano-silver and nano-copper sintering processes. PINGALAX has established a relatively complete R&D and production chain for power semiconductor chips, devices, and modules, covering market analysis, design, testing, application, batch screening, and quality control. PINGALAX has applied for and obtained hundreds of invention patents.

PINGALAX has been recognized with a series of prestigious honors and qualifications, including designation as a National Key "Little Giant" Enterprise specializing in niche sectors, a National High-Tech Enterprise, and a National Post-Doctoral Research Workstation. Furthermore, PINGALAX has achieved certifications including IATF 16949 (Automotive Quality Management System), ISO 9001 (Quality Management System), GB/T27922 (Five-star After-sales Service System), and ISO/IEC 27001 (Information Security Management System).

PINGALAX's products encompass power chips and devices, EV chargers, charging modules, photovoltaic inverters, energy storage systems, portable power stations, and digital energy platforms. These products are widely used in new energy vehicles, special vehicles, high-end white goods, EV chargers, photovoltaics, energy storage, and energy management. PINGALAX provides customized design, development, packaging, testing, and system application solutions to numerous well-known enterprises, facilitating the domestic substitution of key components for several major companies. Its core products have received various prestigious domestic and international certifications and passed tests such as TÜV, CNAS, CE, CCC, and UN 38.3. PINGALAX boasts a clientele and partnerships spanning more than 30 countries and regions.

PINGALAX always adheres to the corporate culture of "customer-centric", adheres to the development concepts of technological innovation, low-carbon intelligent manufacturing, green development, and digital empowerment, adheres to open cooperation, and is willing to jointly develop clean energy technologies with global partners, accelerate the green energy revolution, and build a better future.

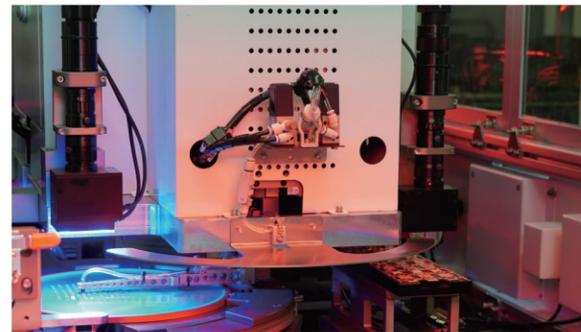
R&D Strength, Scientific Innovation

PINGALAX adheres to independent R&D and innovation. We invest a large amount of resources in the entire chain of chips - application end products - system integration - cloud services, builds a complete R&D system, and sets up R&D centers in Chongqing, Shenzhen and Southeast Asia to gather top global talents. In the field of digital energy, we are committed to creating technologies and products with core competitiveness and creating greater value for customers.

Professional chip design



Advanced manufacturing technology



Comprehensive performance testing



Complete R&D process



R&D personnel



Master&PhD



Patent applications



R&D invest

Main Business



Intelligent charging network



Distributed energy system



Portable&Home energy



New energy application solutions



Digital energy AIoT service

Our Global Partners



30+



Coverage countries/regions

200+



Global customers

100000+



Product registered users

100000+



Energy terminal connections

PowerGiant 3600 High-Performance Industrial Mobile Power Station

The PowerGiant 3600, developed by PINGALAX, 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



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

*For the latest product certifications, please contact PINGALAX or your authorized distributor.



3600W
Rated Power



20000W
Peak Power



2.5h
Charging Time



>97%
Efficiency



2.3kWh
Rated Capacity



IP54
High Protection Level

Application



Construction sites



Outdoor Activities



Agricultural Equipment



Industrial Equipment



Public Infrastructure



Film Production



►► 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.



▶▶ 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°C, Discharge at -15°C to 55°C
Storage Temperature	-20°C to 60°C (1 month); -20°C to 45°C (3 months)
Operating Humidity	10~90% RH
Storage Humidity	5~95% RH

High-Power Performance

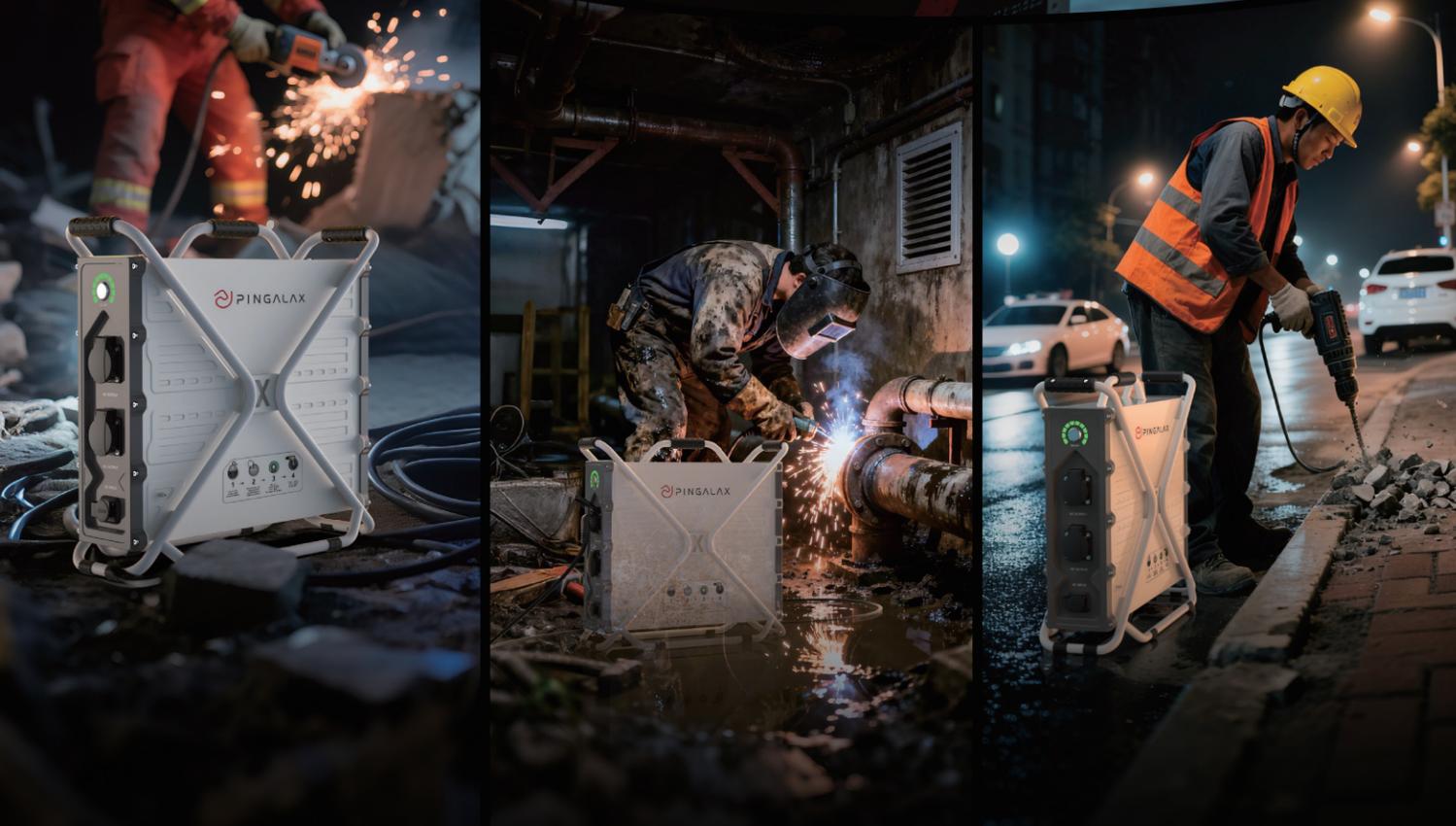
- Powerful Output: Continuous output power up to **3600W**, peak power up to **20000W**, easily handling high-load demands.
- Fast Charging: Maximum continuous input power of **1200W**, charging time less than **2.5 hours**, efficient energy recovery.
- High Efficiency: Maximum overall efficiency reaches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



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

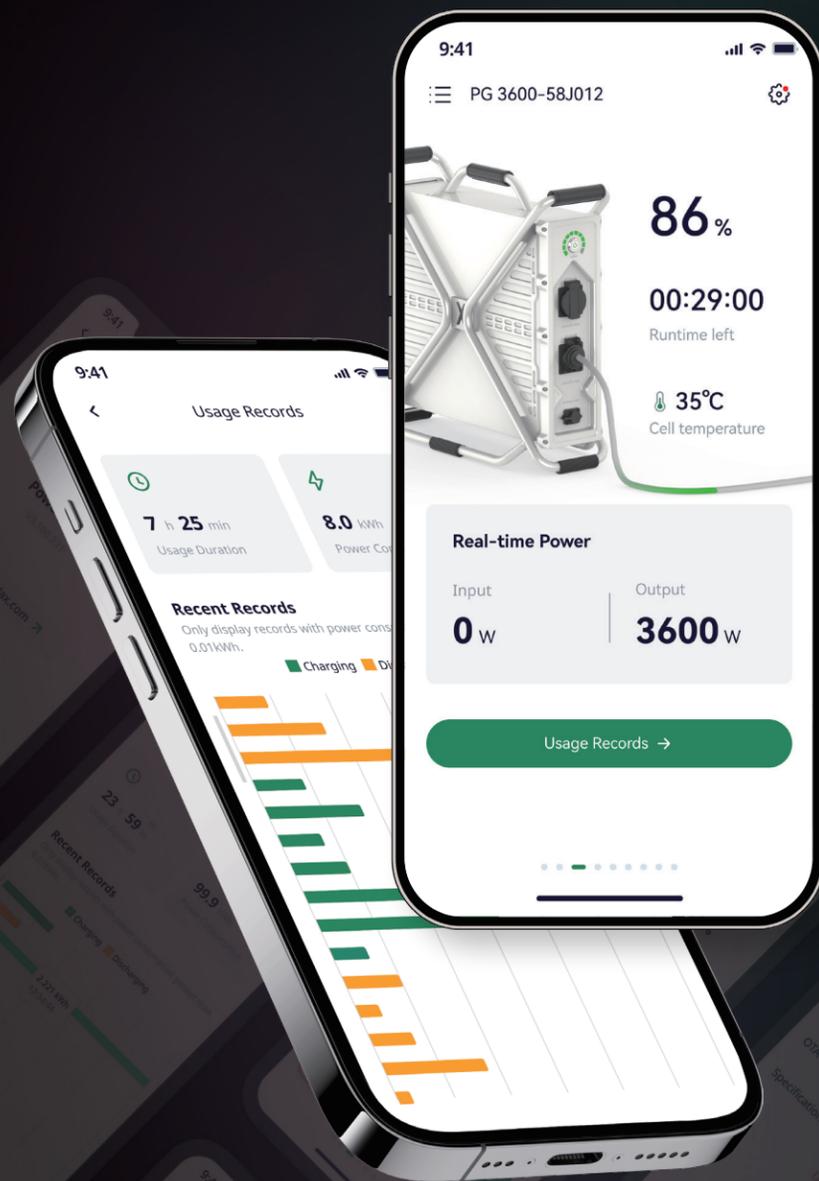


2.3kW Pump

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.



Data Dashboard

Get 100 historical charging/discharging records.

Fault Alerts

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



Remote Settings

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



Scan to download PowerGiant App