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Pingalax Digital Energy Technology Co., Ltd.

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PINGALAX App



Portable Power Station

Brochure



Pingalax Digital Energy Technology Co., Ltd.

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ABOUT PINGALAX

Pingalax Digital Energy Technology Co., Ltd. is a technology enterprise dedicated to the R&D, production, sales and service of products in new energy fields such as electric vehicle charging, power supplies, photovoltaics, and energy storage. PINGALAX is committed to deeply integrating research accumulation in the semiconductor field and digital AIoT technology with the new energy industry, building a more efficient, cleaner, more economical and safer modern energy system, and providing global customers with full-scenario digital energy solutions.

PINGALAX makes layouts on the entire chain of chips, modules, core components, software and system design, and has a well-proportioned and experienced innovative R&D team. As of now, the proportion of the company's R&D personnel exceeds 60%, among which the proportion of masters and doctors exceeds 30%. The company has applied for and obtained hundreds of patents.

PINGALAX's main products include electric vehicle charging equipment, photovoltaic inverters, mobile energy storage power supplies, household and industrial and commercial energy storage systems, etc. The company's core products have successively passed many domestic and foreign authoritative certifications and tests such as TÜV, CNAS, CE, CCC, and UN38.3, and have been sold to more than 30 countries and regions around the world.

PINGALAX has been successively approved as a national high-tech enterprise, a national post-doctoral scientific research workstation, and a national "specialized, refined, peculiar and new" little giant, and has passed certifications such as the IATF16949 automotive industry quality management system, ISO9001 quality management system, and ISO/IEC27001 information security management system.

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.

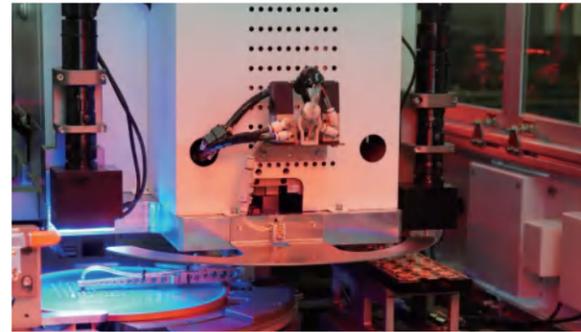
// R&D strength, Scientific innovation

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



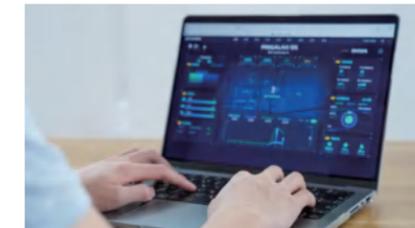
Distributed energy system



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

► Redefining the Outdoor Power Experience

Advanced Power Electronics

Equipped with the latest proprietary power chips.

Smart Management Platform

Seamless PINGALAX App integration for convenient control and monitoring.

Professional-Grade Reliability

Multiple safety protections ensure comprehensive charging safety.

Intelligent Energy Hub

Smart load identification system + bidirectional inverter technology.

Green Energy Solution

Eco-friendly and sustainable, with a cycle life of ≥ 3000 cycles.

User-Centric Design

A fusion of aesthetics and practicality, with an optimized operating process.

Versatile Scenario Coverage

Modular 0.5/1/2 kWh design for diverse power needs.



Automotive-Grade Power Technology

Automotive-grade lithium iron phosphate battery and BMS power management system.



Comprehensive Power Supply Matrix

Multiple output interfaces, supporting higher-dimensional drive capabilities.



Deep Customization Empowerment

Full-stack proprietary technology, supporting PCBA-level customization.



CE CCC UN38.3 RoHS REACH

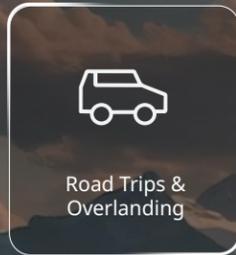
*For the latest product certifications, please contact PINGALAX or your authorized distributor.



SOUL 500 Series

576Wh Portable Power Station

The SOUL 500 is a next-generation portable power station developed and manufactured by PINGALAX. Equipped with automotive-grade lithium iron phosphate batteries and a Battery Management System (BMS), it provides safe and stable AC and DC power output. Featuring multiple output ports, it can power various devices simultaneously, meeting your power needs in a wide range of situations. This series is compact, portable, easy to use, and stylish. It also boasts solar charging capabilities, intelligent control features, making it the ideal companion for Family Camping, Road Trips & Overlanding, Emergency Power Backup, and more.



►► Design and function in perfect harmony



Rose Gold



Lilac Purple



Silver Filigree

Lightweight Design

The total weight is as low as 6kg.

Highly Integrated

Scientifically arranged core components, small size, large capacity.

Space Optimization

Innovative vertical stacking structure maximizes internal space.

User-Friendly Design

Comfortable grip, equipped with a high-definition LCD screen.



800 W
Rated Power



1600 W
Peak Power



600 W MAX
AC Input Power



≥90%
Efficiency



576 Wh
Rated Capacity



4000次
Cycle Life



▶▶ Technical Parameters

576Wh Portable Power Station

| Basic Parameters | | | |
|---------------------------------|---|--|--|
| Product Model | SOUL 500 | SOUL 500-EU | SOUL 500-UL |
| Net Weight | About 6kg | | |
| Dimension | 274 x 245 x 92mm | | |
| Capacity | 576Wh | | |
| Bluetooth | Support | | |
| Output Specification | | | |
| AC Output (×1) | Pure sine wave, rated 800W (peak 1600W), 220V/50Hz | Pure sine wave, rated 800W (peak 1600W), 230V/50Hz | Pure sine wave, rated 800W (peak 1600W), 120V/60Hz |
| USB-A (×2) | 5V/3A 9V/2A 12V/1.5A, maximum power 18W per circuit, total 36W | | |
| USB-C (×2) | 5/9/12/15V/3A, 20V/5A, maximum power 100W per circuit, total 200W | | |
| Vehicle Charging Output | 12V/8A, maximum power 96W | | |
| Input Specification | | | |
| AC Input Power | Maximum power for fast charging is 600W | | |
| AC Input Voltage | 220-240V, 50Hz/60Hz | 220-240V, 50Hz/60Hz | 80-140V, 50Hz/60Hz |
| DC Input | 11-55V, Maximum current 10A Max, 200W Max | | |
| Battery Specification | | | |
| Battery Cell Material | LFP (Lithium Iron Phosphate) | | |
| Cycle Life | Over 80% capacity remaining after 4,000 cycles | | |
| Protection Type | Overcharge protection, over discharge protection, over current protection, over temperature protection, short-circuit protection, over voltage protection, etc. | | |
| Operating Temperature | | | |
| Optimum Operating Temperature | 20°C-30°C | | |
| Discharging Ambient Temperature | -10°C-40°C | | |
| Charging Ambient Temperature | 0°C-40°C | | |
| Storage Ambient Temperature | -10°C-40°C (Optimum: 20°C-30°C) | | |



Automotive-Grade LiFePO4 Battery

Top 3 global brand, high-quality cells with a 4000-cycle lifespan, providing a decade of reliable power.



EPS Emergency Power Supply

Built-in intelligent EPS system provides a seamless 20ms switchover during power outages, ensuring uninterrupted operation.



Smart App Remote Management

Monitor charging status and power usage in real-time.



Powerful Performance

Supports higher-dimensional drive with a maximum continuous output of 1600W, pure sine wave output protects appliances.



Versatile Charging Options

Supports AC, car charging, solar, and more, while simultaneously powering up to 5 devices.

SOUL 1000 Series

1024Wh Portable Power Station

The SOUL 1000 series is a next-generation portable power station developed and manufactured by PINGALAX. Equipped with automotive-grade lithium iron phosphate batteries and a Battery Management System (BMS), it provides safe and stable AC and DC power output. Featuring multiple output ports, it can power various devices simultaneously, meeting your power needs in a wide range of situations. This series is compact, portable, easy to use, and stylish. It also boasts solar charging capabilities, intelligent control features, and outdoor lighting functions, making it the ideal companion for Overlanding/Car Camping, Outdoor Photography, Emergency Response, Home Backup Power and more.



► Design and function in perfect harmony



Highly Integrated

Scientifically arranged core components, small size, large capacity.

Premium Tactile Experience

Constructed with the same high-quality PC+ABS composite material used in premium laptops, offering both strength and durability.

User-Friendly Interactive Design

Features a dual-handle design on top and a high-definition LCD display.

Integrated Multi-functional LED Lighting System

Provides 10 levels of brightness adjustment to suit various usage scenarios.



1650 W
Rated Power



2700 W
Peak Power



1200 W MAX
AC Input Power



20ms
EPS



1024 Wh
Rated Capacity



3000
Cycle Life



►► Technical Parameters

1024Wh Portable Power Station

| Basic Parameters | | |
|---------------------------------|---|--|
| Product Model | SOUL 1000 | SOUL 1000-EU |
| Net Weight | About 14.6kg | |
| Dimension | 378×282×262mm | |
| Capacity | 1024Wh | |
| Bluetooth | Support | |
| Output Specification | | |
| AC Output (×4) | Pure sine wave, rated 1,650W (peak 2,700W) , 220V/50Hz | Pure sine wave, rated 1,650W (peak 2,700W) , 230V/50Hz |
| USB-A (×3) | 5V/3A 9V/2A 12V/1.5A, maximum power 18W per circuit, total 54W | |
| USB-C (×2) | 5/9/12/15V/3A, 20V/5A, maximum power 100W per circuit, total 200W | |
| Vehicle Charging Output | 12V/8A, maximum power 96W | |
| Input Specification | | |
| AC Input Power | Maximum power for fast charging is 1200W | |
| AC Input Voltage | 220-240V, maximum current 10A, 50Hz | |
| DC Input | 11-55V, Maximum current 8.2A Max, 450W Max | |
| Battery Specification | | |
| Battery Cell Material | LFP (Lithium Iron Phosphate) | |
| Cycle Life | Over 80% capacity remaining after 3,000 cycles | |
| Protection Type | Overcharge protection, over discharge protection, over current protection, over temperature protection, short-circuit protection, over voltage protection, etc. | |
| Operating Temperature | | |
| Optimum Operating Temperature | 20°C-30°C | |
| Discharging Ambient Temperature | -10°C-40°C | |
| Charging Ambient Temperature | 0°C-40°C | |
| Storage Ambient Temperature | -10°C-40°C (Optimum: 20°C-30°C) | |



Powerful Performance

Supports higher-dimensional drive with a maximum continuous output of 2700W, pure sine wave output protects appliances.



Full Power, Rapid Charging and Discharging

Achieves fast cycle charging and discharging at room temperature (25°C / 77°F). No cooling period is required after a full-power discharge; recharging can begin immediately.



EPS Emergency Power Supply

Built-in intelligent EPS system provides a seamless 20ms switchover during power outages, ensuring uninterrupted operation.



Smart App Remote Management

Monitor charging status and power usage in real-time.



Versatile Charging Options

Supports AC, car charging, solar, and more, while simultaneously powering up to 10 devices.



Quiet Operation

Silent charging mode ≤ 30dB; regular charging mode ≤ 45dB.



16+ Layers of Safety Protection

Equipped with a fully in-house developed, automotive-grade BMS (Battery Management System) that constantly monitors and regulates voltage, current, and temperature, ensuring safe battery operation.



211 Professional Tests

Our in-house laboratory conducts rigorous testing, including approximately 211 professional tests covering car charger functionality, battery cell performance, inverter operation, BMS effectiveness, mainboard stability, and battery pack integrity, to deliver the highest quality product.

SOUL 2000 Series

2048Wh Portable Power Station

The SOUL 2000 series is a next-generation portable power station developed and manufactured by PINGALAX. Equipped with automotive-grade lithium iron phosphate batteries and a Battery Management System (BMS), it provides safe and stable AC and DC power output. Featuring multiple output ports, it can power various devices simultaneously, meeting your power needs in a wide range of situations. This series is portable, easy to use, and stylish. It also boasts solar charging capabilities, Car charger charging capabilities, and intelligent control features, making it the ideal companion for Overlanding/Car Camping, Outdoor Photography, Emergency Response, Home Backup Power and more.

-  Overlanding/Car Camping
-  Outdoor Photography
-  Emergency Response
-  Home Backup Power



► Design and function in perfect harmony



Highly Integrated

Scientifically arranged core components, small size, large capacity.

Premium Tactile Experience

Constructed with the same high-quality PC+ABS composite material used in premium laptops, offering both strength and durability.

User-Friendly Interactive Design

Features a dual-handle design on top and a high-definition LCD display.

Expandable Capacity

Supports expansion with add-on battery packs (hot-swappable) for a maximum capacity of 12 kWh.



2400 W
Rated Power



4800 W
Peak Power



1500 W MAX
AC Input Power



20ms
EPS



2048 Wh
Rated Capacity



4000
Cycle Life



▶▶ Technical Parameters

2048Wh Portable Power Station

| Basic Parameters | | | |
|---------------------------------|---|--|--|
| Product Model | SOUL 2000 | SOUL 2000-EU | SOUL 2000-UL |
| Net Weight | About 23kg | | |
| Dimension | 460×262×320mm | | |
| Capacity | 2048Wh | | |
| Bluetooth | Support | | |
| Output Specification | | | |
| AC Output (×1) | / | / | RVTT-30, Pure sine wave, The maximum output current is 30A |
| AC Output (×4) | Pure sine wave, rated 2400W (peak 4800W), 220V/50Hz/60Hz | Pure sine wave, rated 2400W (peak 4800W), 230V/50Hz/60Hz | Pure sine wave, rated 2400W (peak 4800W), 120V/50Hz/60Hz |
| USB-A (×2) | 5V/3A 9V/2A 12V/1.5A, maximum power 18W per circuit, total 36W | | |
| USB-C (×1) | 28/20V/5A, 5/9/12/15V/3A, 20V/5A, maximum power 140W per circuit, total 140W | | |
| USB-C (×3) | 5/9/12/15V/3A, 20V/5A, maximum power 100W per circuit, total 300W | | |
| DC5521 Output(×2) | 12V/3A, maximum power 36W per circuit, total 72W | | |
| Vehicle Charging Output | 12V/10A, maximum power 120W | | |
| Input Specification | | | |
| AC Input Power | Maximum power for fast charging is 1500W | | |
| AC Input Voltage | 220-240V, maximum current 10A, 50Hz/60Hz | 220-240V, maximum current 10A, 50Hz/60Hz | 80-140VV, maximum current 20A, 50Hz/60Hz |
| DC Input | 12-60V, Maximum current 20A Max, 800W Max | | |
| Battery Specification | | | |
| Battery Cell Material | LFP (Lithium Iron Phosphate) | | |
| Cycle Life | Over 80% capacity remaining after 4,000 cycles | | |
| Protection Type | Overcharge protection, over discharge protection, over current protection, over temperature protection, short-circuit protection, over voltage protection, etc. | | |
| Operating Temperature | | | |
| Optimum Operating Temperature | 20°C-30°C | | |
| Discharging Ambient Temperature | -10°C-40°C | | |
| Charging Ambient Temperature | 0°C-40°C | | |
| Storage Ambient Temperature | -10°C-40°C (Optimum: 20°C-30°C) | | |
| Expansion Packs | | | |
| Capacity expansion | Support, Up to 5 power-up packs can be connected in parallel with a capacity of 12 kWh | | |



Powerful Performance

Supports higher-dimensional drive with a maximum continuous output of 4800W, pure sine wave output protects appliances.



Full Power, Rapid Charging and Discharging

Achieves fast cycle charging and discharging at room temperature (25°C / 77°F). No cooling period is required after a full-power discharge; recharging can begin immediately.



EPS Emergency Power Supply

Built-in intelligent EPS system provides a seamless 20ms switchover during power outages, ensuring uninterrupted operation.



Smart App Remote Management

Monitor charging status and power usage in real-time.



Versatile Charging Options

Supports AC, car charging, solar, and more, while simultaneously powering up to 14 devices.



Quiet Operation

Light sound operation, noise as low as 30 dB.



16+ Layers of Safety Protection

Equipped with a fully in-house developed, automotive-grade BMS (Battery Management System) that constantly monitors and regulates voltage, current, and temperature, ensuring safe battery operation.



Professional-Grade Safety Certification

UN 38.3 certified, rigorously tested for impact, shock, and vibration resistance, ensuring reliable performance even in challenging outdoor conditions.