

Energy Storage Industrial Power Supply

Integrating high power output, IP54 all-weather protection, and long-life lithium battery modules, this industrial portable power station is tailored for road, tunnel, and bridge construction, industrial renovations, and various outdoor projects. It delivers efficient, zero-emission clean energy without relying on diesel or external cables, breaking free from traditional power constraints.

Key Specifications

Output Voltage: AC110V/220V 50/60Hz

Output Power: 3500W

Surge Power: 7000W/2s

Protection Features: Multi-layer protection for ultimate peace of mind.

Size: 575×556 ×567mm

Weight: 70KG

Cell Type: Lithium Iron Phosphate (LiFePO4)

High Power Output

Output Voltage: Compatible with 110V/220V tools for versatile industrial use.

IP54 Protection: Dust and splash resistant, effortlessly handling outdoor environments

Compatible with 48V DC Welders: Supports $\Phi 2.5$ –4.0mm electrodes with stable long-distance welding.

High-Power Charging System: efficient & safe.

Zero Carbon, Zero Noise: Clean energy, green transition.

Professional Assurance: 5-year warranty for guaranteed quality.

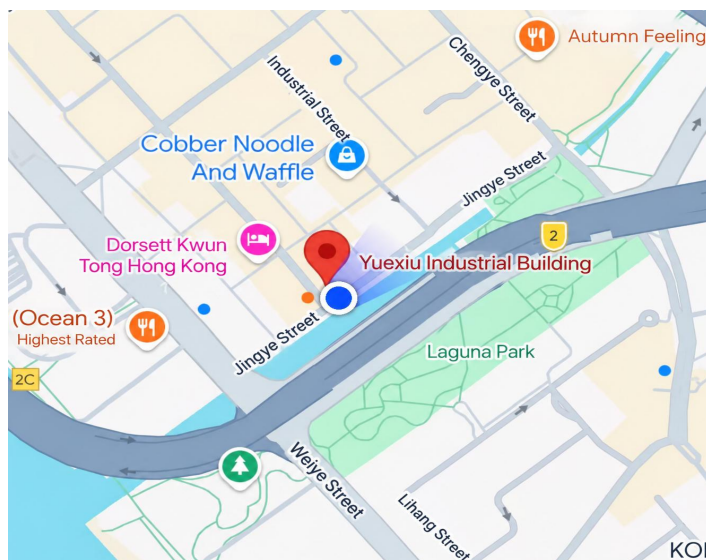
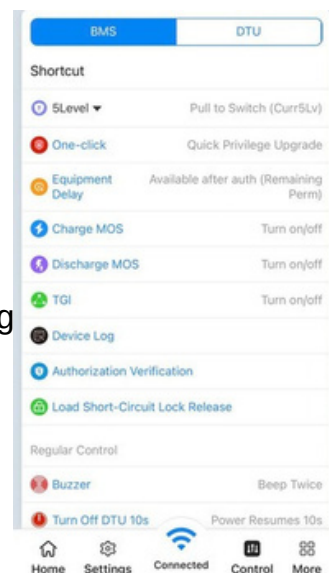
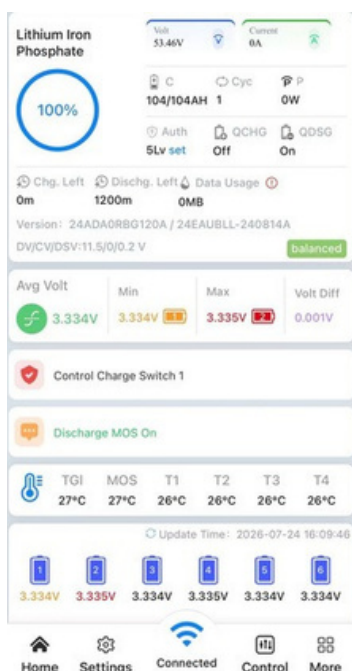
Smart Connected Monitoring

High-Precision Monitoring: Shows battery %, real-time voltage, operating current, and total power at a glance.

Multi-Factor Lifespan Forecasting: Tracks cycle history and precisely estimates remaining charge and discharge time.

Cell-Level Voltage Diagnostics: Moves beyond pack-level monitoring to track exact real-time voltage for each cell.

Comprehensive Thermal Visibility: Real-time temp tracking across battery, BMS, and MOSFETs for early thermal runaway warnings in extreme conditions.



Remote Control

Multi-Level Access Control: Prevents misoperation through strict access control, with one-touch unlock for advanced settings.

Independent MOSFET Switching: Remotely toggle charge/discharge MOSFETs via Bluetooth or network to prevent current leakage and unauthorized charging.

One-Click Acoustic Location: Integrated buzzer actively beeps for fast sound-guided equipment retrieval.

Real-Time GPS Location: Map-based device tracking for effortless remote monitoring and management.



Equipment Runtime Reference

Equipment	Runtime
Φ14 mm Drill Bit	3288holes
Concrete Breaker	11.8hours
4-Inch Cutter	20.8hours
4-Inch Angle Grinder	32 hours
100W LED Light	53 hours
Desktop Computer	46 hours

Note: The above parameters are calculated based on typical usage scenarios. Actual runtime may vary depending on user habits and the specific power consumption of connected equipment.



Applications & Standards

Widely used in construction, utilities, and emergency response to fulfill all outdoor power needs.

Engineering Standards:

Safety Compliance: Meets the latest EU & international IT/equipment safety standards (EN IEC 62368-1, TÜV SÜD IEC 62619).

Grid Power Quality: Certified for low-voltage harmonics and voltage fluctuations (EN IEC 61000-3-2, EN 61000-3-3).

Environmental Conditions

Ambient Temperature: -20°C to 55°C, adaptable to outdoor operation demands across various regions and seasons.

PB Control Ltd.
 Address: 3/F, Yue Xiu Industrial Building, Kwun Tong, Kowloon, Hong Kong
 Tel: (+852) 2132 6768
 Fax: (+852) 3007 9022
 Website: www.pbcontrol.com