



Integrated PV, Storage, and Charging System

An integrated PV (photovoltaic), storage, and charging solution that combines solar power generation, the city grid, an energy storage system, and a charging system to supply electric vehicles and other loads.



Product Features



Intelligent Management

The smart management and control system enables real-time battery status monitoring and automatic charging strategy adjustment, ensuring a safe and efficient charging process. The control screen supports diverse functions such as operation monitoring, energy management strategy configuration, and remote device upgrades.



Scenario Applicability

Suitable for diverse scenarios including PV-integrated charging stations, commercial complexes, parking lots, industrial parks, and microgrids. The proprietary harmonic suppression technology makes it particularly suitable for environments with high voltage harmonics, such as industrial parks.



Flexibility & Compatibility

Features a standard modular design for flexible configuration, easy expansion, and convenient maintenance, thereby reducing maintenance costs. It adopts internationally universal charging standards, offering broad compatibility with most electric vehicle brands and models to meet diverse charging needs.



High Efficiency & Energy Saving

Utilizes advanced power modules to achieve high conversion efficiency; with low standby power loss, effectively reduces operational costs.

| | | |
|--------------------|-------------------------------|---|
| Grid Port | Rated Power | 100kW |
| | Maximum Power | 110kW |
| | Rated Current | 144A |
| | Maximum Current | 158A |
| | Rated Voltage | 400Vac, 3W+PE |
| | Rated Frequency | 50/60Hz (±5Hz) |
| PV | PV Open-Circuit Voltage Range | 250~652V |
| | PV Input Power | 100kW |
| | MPPT Number | 1/2/4 |
| PV Side | PV Open-Circuit Voltage Range | 250V ~ (Battery Min. Voltage - 20V) |
| | PV Rated Power | 50 kW |
| | MPPT Number | 1 |
| | DC/DC Circuit Topology | Three-Level DC/DC |
| Battery | Rated Battery Capacity | 215kWh |
| | Battery Voltage Range | 768V |
| | Input Voltage | 400V(-15% ~ +10%) |
| | Battery Type | LFP |
| | Cell Capacity | 280Ah |
| | Battery String Configuration | 1P*20S*12S |
| | Max Charge/Discharge Current | 140A |
| Charging | Rated Output Power | 60kW*2 |
| | Rated Output Current | 120A*2(500Vdc) |
| | Metering Accuracy | < ± 0.1% |
| | Number of Charging Guns | Dual-gun |
| | Cable Length | 5m |
| | Activation Method | QR Code Scan, Card Swipe, APP |
| | Charging Modes | Auto Full, By Amount, By kWh, By Time |
| | Display Method | LED Indicator Light |
| General Parameters | Cooling Method | Intelligent Forced Air Cooling |
| | Protection Level | IP55 (Complete Cabinet) |
| | Standby Self-consumption | < 0.1% of Rated Power (Transformer Excluded) |
| | Relative Humidity | 0 ~ 95% (Non-condensing) |
| | Noise | <75dB |
| | Ambient Temperature | -25°C ~ 60°C (Derating above 45°C) |
| | Altitude | 3000 m (Derating above 2000 m) |
| | BMS Communication | CAN |
| | EMS Communication | Ethernet / 485 |
| | Emergency Stop Protection | Equipped with E-stop button and emergency stop protection function |
| | Protection Features | Input Over/Under Voltage Protection, Input Overcurrent Protection, Surge Protection, Output Short Circuit Protection, Overtemperature Protection, Anti-Backfeed Protection, Battery Active Protection, Emergency Stop, etc. |
| | Dimensions (WDH) | 1800*1200*2300mm |
| Weight (Approx.) | 2500kg | |