



EKOTEK
ENERGY

OVER
49.1 MWh
Lifetime
Production

TRUST EKOTEK'S
HIGH CAPACITY BATTERY WITH A
10-YEAR DESIGN LIFE AND 8000+
AT 80% DOD



10 kWh+
8 Year Warranty
LiFePO₄
ORIGINAL BYD Cells



PRO CUBE 10 kWh+

Lithium Ion LiFePO₄ Battery

ET-313-512/200

Features:

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution
- Packing with single cell container, fire retardant wire and laser welding, stable and safe
- Built-in BMS, with battery voltage, current, temperature and health management
- LED indicate the battery SOC and operating status
- LCD Screen display the battery voltage, current, temp., SOC detail information
- Built-in Fire Arrestors
- Loose Connection Detection
- Auto Detection (Automatically Detects Inverter)
- Active Cell Balancing
- Set different communication protocols through 5 inch LCD touch screen
- Dust/Water/Weather protection for all cable connectors with plastic covers
- Built in WiFi and Bluetooth Modules
- Support communication with solar inverter by CAN 2.0
- Update firmware by RS485 port
- Support 100 units in parallel and communicate by RS485/CAN 2.0
- More than 15 years design life
- Stable performance, maintenance-free

| | | |
|----------------------------------|--|------------------------------|
| LCD Touch SCREEN | 48V SYSTEM VOLTAGE | 200A DISCHARGE |
| AUTO DETECT INVERTER TYPE | WIRELESS CONNECTIVITY THROUGH APP | |
| BUILT-IN FIRE ARRESTORS | LOOSE CONNECTION DETECTION | ACTIVE CELL BALANCING |

CONNECT UPTO 100 BATTERIES IN PARALLEL





| PRO CUBE 10 kWh+ | | |
|--|--------------------------|--|
| BATTERY SPECS | | |
| Battery Chemistry | | LiFePO ₄ |
| Voltage | Nominal @ 25 °C ~ 0.2 °C | 51.2 V |
| Capacity | Nominal @ 25 °C ~ 0.2 °C | 200 Ah |
| Energy (Wh) | | 10240 Wh |
| Module Weight ±0.5 kg | | 90 kg |
| Dimensions (W × D × H) mm, ±2 mm | | 730 × 650 × 180 |
| Cell Serial Number (pcs) | | 16, Active Cell Balancing |
| OPERATING PARAMETERS | | |
| Voltage Range | | 44.8 V ~ 56.8 V |
| Charging Voltage | | 56 ± 0.8 V |
| Charging Current | | 100 A Maximum |
| Discharging Voltage | | 44.8 V |
| Discharging Current | | 200 A |
| Peak Discharge (25°C) | | 600 A, 3 S |
| Recommended Depth of Discharge | | 80.0% |
| Display | | 5 inch touchscreen LCD display, Set protocol on LCD; 4 LEDs for SOC 1 LED for Run status 1 LED for ALM |
| BATTERY MANAGEMENT SYSTEM | | |
| Communication Port (can be customized) | | CAN 2.0, RS458, WiFi, Bluetooth |
| Scalability (Max. In 1 battery group) | | 100 units in parallel |
| GENERAL | | |
| IP Rating of Enclosure | | IP21 |
| Design Life | Service Life @ 25 °C | > 15 Years |
| Cycle Life | Service Life @ 25 °C | > 6000 Times |
| Certifications | | MSDS, CE, UL1973, IEC62619, UN38.3 |