



EKOTEK
ENERGY

OVER
49.1 MWh
Lifetime
Production

TRUST EKOTEK'S
HIGH CAPACITY BATTERY WITH A
>15-YEAR DESIGN LIFE AND 8000+
AT 80% DOD

10 kWh+
5 Year Warranty
LiFePO₄

PRO FLOW 10 kWh+

Lithium Ion LiFePO₄ Battery

ET-302-512/200

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
- Support communication with solar inverter by CAN or RS485
- Set different communication protocols through LCD touch screen
- Update software by RS485 port
- Support both standing application and wall-mounted application
- Support 16 units in parallel and communicate by RS485/CAN
- More than 15 years design life
- Stable performance, maintenance-free



3.6" LCD SCREEN

48V SYSTEM VOLTAGE

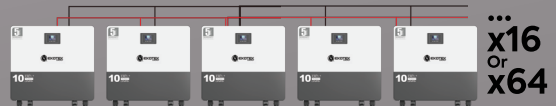
100A DISCHARGE

WIRELESS CONNECTIVITY THROUGH APP

WALL MOUNT

FLOOR STANDING

CONNECT UPTO 16 or 64 BATTERIES IN PARALLEL





PRO FLOW 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 (mm) by BYD cell	
Cell Serial Number (pcs)	16	

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	100 A	
Peak Discharge (25°C)	600 A, 3 S	
Recommended Depth of Discharge	80.0%	
Display	3.6 inch 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, RS485	
Scalability (Max. In 1 battery group)	16/64 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, IEC62619, CE, UN38.3	