

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+

6 Year Warranty

LiFePO₄



POWERFLOW 10 kWh+

Lithium Ion LiFePO₄ Battery

ET-306-512/200

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
- Support both standing application and wall-mounted application
- Support 15 units in parallel and communicate by RS485/CAN
- More than 10 years design life
- Stable performance, maintenance-free



**48V
SYSTEM
VOLTAGE**

**150A
DISCHARGE**



**WALL
MOUNT**

**+
FLOOR
STANDING**

CONNECT UPTO 15 BATTERIES IN PARALLEL





POWERFLOW 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		95 kg
Dimensions (W x D x H) mm, ±2 mm		740 x 460 x 180 (mm)
Cell Serial Number (pcs)		16
OPERATING PARAMETERS		
Voltage Range		43.2 – 57.6 V
Charging Voltage		58.4 V
Charging Current		150 A
Discharging Voltage		43.2 V- 57.6 V
Discharging Current		150 A
Peak Discharge (1 second, 25 °C)		160 A, 5 S
Recommended Depth of Discharge		90.0%
Display		2.1 inch LCD Touch Screen 6 LEDs for SOC 1 LED for Run Status 1 LED for ALM
BATTERY MANAGEMENT SYSTEM		
BMS	Built-In BMS	YES
Communication Ports (Can be customized)		CAN / RS232/ RS485
Scalability (Max. In 1 battery group)		Upto 15 Units
GENERAL		
IP Rating of Enclosure		IP21
Design Life	Service Life @ 25 °C	10 Years
Cycle Life	Service Life @ 25 °C	6000 times
Certifications		CE/ UN38.3 / MSDS