

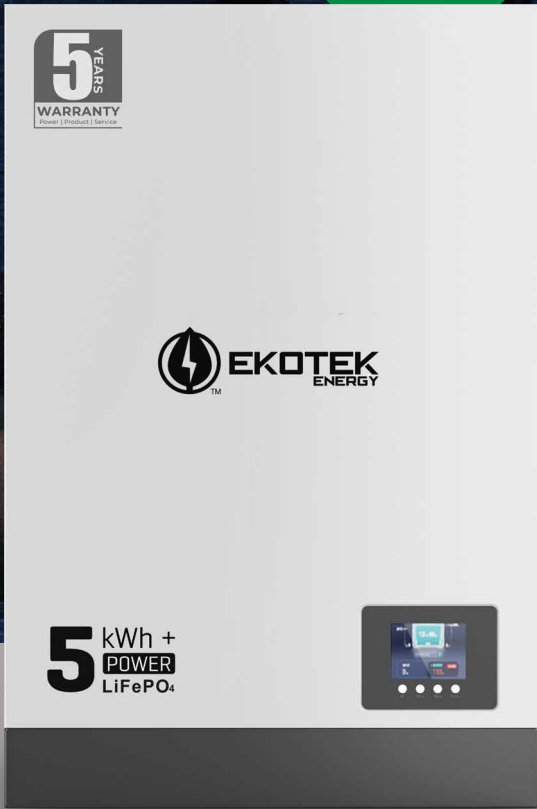


EKOTEK
ENERGY

OVER
24.5^{MWh}
Lifetime
Production

TRUST EKOTEK'S
HIGH CAPACITY BATTERY WITH A
>15-YEAR DESIGN LIFE AND 9000+
AT 80% DOD

5 kWh+
5 Year Warranty
LiFePO₄



PRO FLOW 5 kWh+

Lithium Ion LiFePO₄ Battery

ET - 301-512/100

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
- Set different communication protocols through LCD touch screen
- Support communication with solar inverter by CAN or RS485, Update firmware by RS485
- 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 5 kWh+		
BATTERY SPECS		
Battery Chemistry		LiFePO ₄
Voltage	Nominal @ 25 °C ~ 0.2 °C	51.2 V
Capacity	Nominal @ 25 °C ~ 0.2 °C	100 Ah
Energy (Wh)		5120 Wh
Module Weight ±0.5 kg		49 kg
Dimensions (W x D x H) mm, ±2 mm		640 x 420 x 157
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)		300 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		
BMS	Built-in BMS	Yes
Communication Port (can be customized)		CAN, RS458
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