



OVER
24.5^{MWh}
Lifetime
Production

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



ROCK *Lite* 12V
Rack Mounted Lithium Battery 5kWh+

ET - 310-128/400

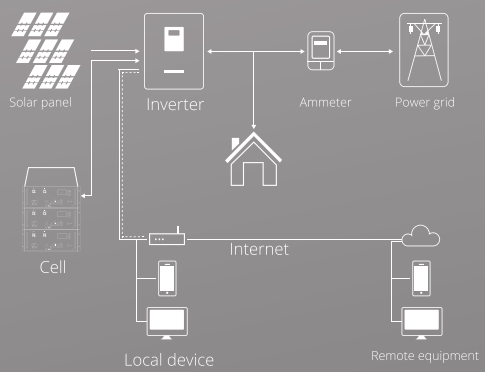
- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution
- Packing with single cell container, fire retardant wire and laser welding, stable and safe
- Built-in BMS, with battery voltage, current, temperature 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 16nos in parallel and communicate by RS485/CAN
- Update software by RS485 port
- Integrated with heating function, heat the battery self when the low temperature charging
- Integrated Bluetooth inside, customized APP for battery monitoring
- Integrated with fire extinguishing module inside, Prevention of fire
- More than 15 years design life
- Stable performance, maintenance-free

5kWh+
6 Year Warranty
LiFePO₄

WIRELESS CONNECTIVITY

12V SYSTEM VOLTAGE

WIRELESS CONNECTIVITY THROUGH APP





ROCK LITE 12V

BATTERY SPECS

Battery Chemistry		LiFePO ₄
Voltage	Nominal @ 25 °C ~ 0.2 °C	12.8 V
Capacity	Nominal @ 25 °C ~ 0.2 °C	400 Ah
Energy (Wh)		5120 Wh
Module Weight ±0.5 kg		44.5 kg
Dimensions (W × D × H) mm, ±2 mm		442* 450* 154*
Cell Serial Number (pcs)		16

OPERATING PARAMETERS

Voltage Range		10.0 V ~ 14.2 V
Charging Voltage		14.0 / - 0.2 V
Charging Current		200 A Maximum
Discharging Voltage		10.0 V
Discharging Current		200 A
Peak Discharge (25°C)		380 A, 3S
BMS (Built-in-BMS)		YES
Display		LCD display, set protocol on LCD, 4LEDs for SOC 1 LED for Run statue 1 LED for ALM

BATTERY MANAGEMENT SYSTEM

Communication Port (can be customized)		CAN, RS485
Scalability (Max. In 1 battery group)		16 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
Recommended Depth of Discharge		80.00%
Certifications		UL1973, IEC62619, CE UN38.3