

RACK-MOUNTED ENERGY STORAGE BATTERY

Intelligent

Safe

Modular



Intelligent

- Each module is equipped with an independent BMS system.

Compact design

- Weight (approx): 58kg / 96kg
- Size: 483*680*178mm
- Practical pull ear design improves Operation convenience

Safe

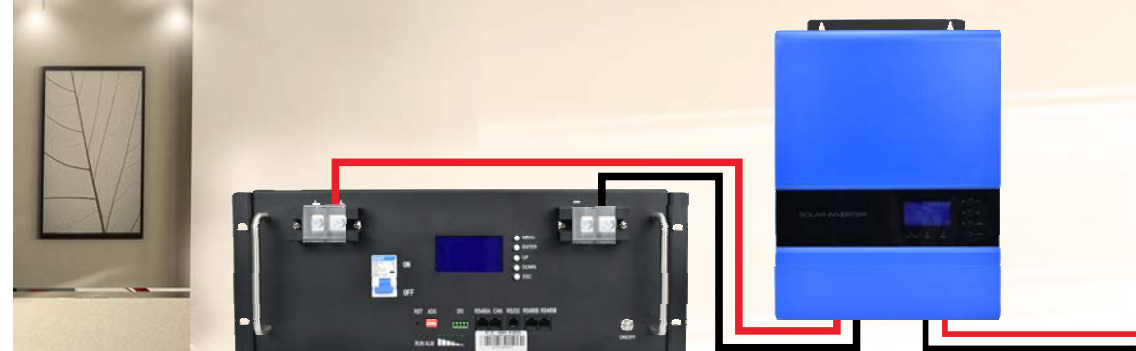
- Safe lithium iron phosphate battery cell
- Compact size ultralight module

Intelligent management

- The is equipped with intelligent BMS for each battery pack to manage modules effectively.
- Compared with the traditional module. Can meet the capacity storage and greatly enhance the cycle life.

Application

- This battery module is widely used in energy storage and electrical products. Home energy storage systems; Centralized power station energy storage system.



Technical Specifications-Rack Mounted Energy Storage Battery

| Model | YL-ES-R05 | YL-ES-R10 |
|------------------------------|--|--|
| Rated Voltage | 51.2V | |
| Rated Capacity | 100Ah | 200Ah |
| Rated Energy | 5.12KWh | 10.24KWh |
| Internal Resistance | ≤30mΩ | |
| Cycle Life | ≥5000 cycles @ 80% DOD, 25°C, 0.5C ≥4000 cycles @ 80% DOD, 40°C, 0.5C | |
| Design Life | ≥5 years | |
| Charge Cut-off Voltage | 56.0V ± 0.5V | |
| Max. Continuous Work Current | 100A | |
| Discharge Cut-off Voltage | 45.0V ± 0.2V | |
| Charge Temperature | 0°C~60°C (Under 0°C extra heating mechanism) | |
| Discharge Temperature | -20°C~60°C (Under 0°C Work with reduced capacity) | |
| Storage Temperature | -40°C~55°C @60% ± 25% relative humidity | |
| Dimensions | 483*480*178mm / 19.02"x18.90"x7.01" | 483*680*178mm / 19.02"x26.77"x7.01" |
| Weight | 58kg | 96kg |
| Protocol (optional) | RS232-PC, RS485(B)-PC RS485(A)-Inverter, Canbus-Inverter | |
| Certification | UN38.3, MSDS, UI1973 (Cell), IEC62619 (Cell) | |