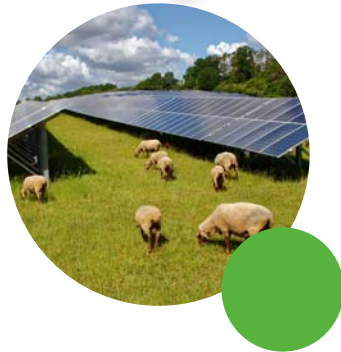


STACKED ENERGY STORAGE BATTERY



Features and advantages

- LiFePO4 battery, Safe, Longer life span
- Modular design, Easy to stack, Quick installation
- Flexible in series to achieve higher voltage
- Natural cooling with optional heat/fan configuration
- Wide temperature range of -20~50°C



Technical Specifications-Stacked Energy Storage Battery

Model	YL-ES-S05	YL-ES-S15	YL-ES-S25
Rated Voltage	51.2V	153.6V	256V
Rated Capacity	100Ah	100Ah	100Ah
Rated Energy	5.12KWh	15.36KWh	25.6KWh
Internal Resistance	≤30mΩ	≤80mΩ	≤120mΩ
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	57.6V ± 0.5V	172.8V ± 0.5V	288.0V ± 0.5V
Max. Continuous Work Current	100A		
Discharge Cut-off Voltage	45.0V ± 0.2V	134.5V ± 0.2V	224.0V ± 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	590*415*375mm / 23.23"x16.34"x14.76"	590*415*745mm / 23.23"x16.34"x29.33"	590*415*1120mm / 23.23"x16.34"x44.09"
Weight	65kg	195kg	310kg
Protocol (optional)	RS232-PC, RS485(B)-PC RS485(A)-Inverter, Canbus-Inverter		
Certification	UN38.3, MSDS, UI1973 (Cell), IEC62619 (Cell)		