

Specification

Model	YL-WS48300-100		YL-WS48300-150	YL-WS48300-200
Electrical				
Battery Type	LiFePO4			
Nominal Voltage	48V			
Nominal Capacity	300Ah			
Nominal Energy	14.4kWh			
Max. Output Power	4.8kW	7.2kW	9.6kW	
Recommended Charge Current	62.8A			
Max. Continuous Charge Current	100A	150A	200A	
Max. Continuous Discharge Current	100A	150A	200A	
Mechanical				
Net Weight	130kg			
Dimension (W*D*H)	580*900*230mm			
Installation Way	Indoor Wall Mount or Floor Installation			
IP Rating	IP31			
Operation & Configurations				
Battery Level	Brand New Premium Grade A Battery Cells			
BMS Level	High Precision Panasonic IC, Intelligent BMS			
Alarm and Protection	Multiple Protections from Battery Cells to Battery Pack			
Operating Voltage	37.50~54.75V			
Operating Temperature Charging	0~55°C			
Operating Temperature Discharging	-20~60°C			
Monthly Self Discharge	≤2% @25°C			
Efficiency of Charge & Discharge	≥99.5% @0.2C			
Cycle Life	More than 6,000 Times*			
Communication	CAN/RS485/RS232/Dry Contact			
Compatible Inverters	Deye, Growatt, Sol-Ark, SunSynk, Victron, Voltronic, Goodwe, Luxpower, Sofar, SMA, Schneider, Solis, TBB, INVT, etc			
Parallel Capability	Support up to 15PCS in Parallel			
	Expendable up to 72kWh	Expendable up to 108kWh	Expendable up to 144kWh	
Monitoring & Commissioning	PC Terminal or WiFi Module Remote Monitoring (Optional)			
Warranty	5 to 10 Years			
Certifications & Safety Standards	CE, IEC62619, IEC/EN61000-3, IEC/EN61000-6, ROHS, UL1973, UN38.3, MSDS			

*: @0.2C, 80% DoD, 25°C

Upcoming Certification: UL1973 cULus (USA and Canadian Version)



Track Records Of Reliability

860 MWh

Over 860 MWh battery system global deployment

0%

0% complaint rate for battery cells

0.5%

< 0.5% complaint rate for BMS



Battery has been tested and approved by SGS, TUV, UL third-party agencies



Complied with IEC62619, EN/IEC61000-3, EN/IEC-61000-6, UL1973, RoHS, CE, MSDS, UN38.3

24 HOUR

5 to 10 years warranty with 24 hours response after-sales services

User Friendly

- Parallel capability up to 15 units, meeting different site energy requirements
- Excellent inverter communication compatibility:
Deye, Growatt, Sol-Ark, SunSynk, Victron, Voltronic, Goodwe, Luxpower, Sofar, SMA, Schneider, Solis, TBB, INVT, etc
- PC Monitoring and optional WiFi remote monitoring & commissioning
- Wall-mounted, floor-standing, and rack-mounted installations supported
- International CLASS 9 dangerous goods packing certifications
- High energy density with light-weight
- Full set of matched accessories supported



Premium High Configurations

6,000 cycles

More than 6,000 cycles

10-15 years

10~15 years life span

A

Guaranteed Brand-New Premium Quality Grade A Battery Cells

IC BMS

High Precision Panasonic IC, Intelligent BMS

100%

100%DoD supported 98% efficiency



Meeting residential, commercial & industrial standards

