

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	60A		
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 216kWh		
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)

Powerwall Battery

iPower Plus

High Capacity Units



Contact Us



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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

24 HOUR

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

Compliance

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

Standards

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

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

Checkmark

Meeting residential, commercial & industrial standards

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

