

# Specification

Model	YL-W5150	YL-W51100	YL-W51150	YL-W51200
<b>Electrical</b>				
Battery Type	LiFePO4			
Nominal Voltage	51.2V			
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
Nominal Energy	2.56kWh	5.12kWh	7.68kWh	10.24kWh
Max. Output Power	2.56kW	5.12kW	5.12kW	5.12kW
Recommended Charge Current	10A	20A	30A	40A
Max. Continuous Charge Current	50A	100A	100A	100A
Max. Continuous Discharge Current	50A	100A	100A	100A
<b>Mechanical</b>				
Net Weight	28kg	52kg	68kg	87kg
Dimension (W*D*H)	410*450*144mm	480*520*167mm	490*520*210mm	520*520*230mm
Installation Way	Indoor Wall Mount			
IP Rating	IP31			
<b>Operation &amp; Configurations</b>				
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	40.00~58.40V			
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 38.4kWh	Expendable up to 76.8kWh	Expendable up to 115.2kWh	Expendable up to 153.6kWh
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

# Powerwall Battery

## iPower Mini



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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

