

Specification

| Model                             | YL-P48100                                                                                                           | YL-P48150               | YL-P48200               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| Electrical                        |                                                                                                                     |                         |                         |
| Battery Type                      | LiFePO4                                                                                                             |                         |                         |
| Nominal Voltage                   | 48V                                                                                                                 |                         |                         |
| Nominal Capacity                  | 100Ah                                                                                                               | 150Ah                   | 200Ah                   |
| Nominal Energy                    | 4.8kWh                                                                                                              | 7.2kWh                  | 9.6kWh                  |
| Max. Output Power                 | 4.8kW                                                                                                               | 4.8kW                   | 4.8kW                   |
| Recommended Charge Current        | 20A                                                                                                                 | 30A                     | 40A                     |
| Max. Continuous Charge Current    | 100A                                                                                                                | 100A                    | 100A                    |
| Max. Continuous Discharge Current | 100A                                                                                                                | 100A                    | 100A                    |
| Mechanical                        |                                                                                                                     |                         |                         |
| Net Weight                        | 55kg                                                                                                                | 75kg                    | 92kg                    |
| Dimension (W*D*H)                 | 520*760*170mm                                                                                                       | 520*760*210mm           | 520*800*230mm           |
| Installation Way                  | Indoor/outdoor Wall Mount                                                                                           |                         |                         |
| IP Rating                         | IP65                                                                                                                |                         |                         |
| 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℃

Powerwall Battery

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Water Proof Batteries



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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



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

