

Specification

Model	YL-R24100	YL-R24200	YL-R4850	YL-R48100	YL-R48150	YL-R48200
Electrical						
Battery Type	LiFePO4					
Nominal Voltage	25.6V			48V		
Nominal Capacity	100Ah	200Ah	50Ah	100Ah	150Ah	200Ah
Nominal Energy	2.56kWh	5.12kWh	2.4kWh	4.8kWh	7.2kWh	9.6kWh
Max. Output Power	2.56kW	2.56kW	2.4kW	4.8kW	4.8kW	4.8kW
Recommended Charge Current	20A	40A	10A	20A	30A	40A
Max. Continuous Charge Current	100A	100A	50A	100A	100A	100A
Max. Continuous Discharge Current	100A	100A	50A	100A	100A	100A
Mechanical						
Net Weight	25kg	48kg	25kg	45kg	60kg	74kg
Dimension (W*D*H)	442*280*177mm	442*340*230mm	442*480*132mm	442*450*177mm	442*450*195mm	442*450*230mm
Installation Way	Indoor 19 Inch Rack Mount or Stackable					
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	20.00~29.20V			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 38.4kWh	Expendable up to 76.8kWh	Expendable up to 36kWh	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

Rack Battery

iPower R series 24V & 48VDC



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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

