

Specification

Model	YL-H4850	YL-H48100	YL-H48150	YL-H48200
Electrical				
Battery Type	LiFePO4			
Nominal Voltage	48V			
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
Nominal Energy	2.4kWh	4.8kWh	7.2kWh	9.6kWh
Max. Output Power	2.4kW	4.8kW	4.8kW	4.8kW
Recommended Charge Current	10A	20A	30A	40A
Max. Continuous Charge Current	50A	100A	100A	100A
Max. Continuous Discharge Current	50A	100A	100A	100A
Mechanical				
Net Weight	28kg	51kg	66kg	84kg
Dimension (W*D*H)	410*450*144mm	480*520*167mm	490*520*210mm	520*520*230mm
Installation Way	Indoor Wall Mount			
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 30PCS in Parallel**			
	Expendable up to 72kWh	Expendable up to 144kWh	Expendable up to 216kWh	Expendable up to 288kWh
Monitoring & Commissioning	PC Terminal or WiFi Module Remote Monitoring (Optional)			
Warranty	10 Years			
Certifications & Safety Standards	CE, IEC62619, IEC/EN61000-3, IEC/EN61000-6, ROHS, UL1973, UN38.3, MSDS			

*: @0.5C, 80% DoD, 25℃ **: Connect with Yilink Communication Hub

Powerwall
Battery

iPower H Series



Contact Us



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Proven Reliability in Real-World Deployments

Not lab-tested claims — performance validated in actual projects

900+ MWh Deployed Globally

Trusted across residential, commercial & industrial applications

Certified by UL, TÜV, SGS

Fully compliant with global safety standards

<0.5% BMS Issue Rate

Stable system operation with minimized downtime

Near-zero Cell Failure Record

No Grade-B or refurbished cells, ever

10 Years Warranty + 24h Response

Real support, not just documentation

● Smart & Stable Control

High-precision intelligent BMS

Advanced IC architecture

SOC integration algorithm based on real scene feedback

Better protection, longer lifespan, safer operation, more reliable performance

● True Usable Energy

100% depth of discharge

98% system efficiency

More usable energy, faster payback

● Long Life Span

6,000-8000+ cycles

10-15 years service life

Lower replacement cost over project lifetime

● Designed for Profitability & Scalability

Plug & play commissioning

Faster installation, lower labor cost

Remote monitoring (WiFi optional)

Real-time visibility & maintenance

Module design & strong parallel capability

Flexible system sizing for different project needs

Wide inverter compatibility

Deye, Growatt, Sol-Ark, SunSynk, Victron, Sofar, Voltronic, Goodwe, Luxpower, SMA, Schneider, Solis, TBB, INVT, etc

Engineered for Long-Term ROI