

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	115kg		
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 8,000 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 432kWh		
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°C

**: Connect with Yilink Communication Hub

Upcoming Certification: UL1973 cULus (USA and Canadian Version)



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