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YRBLBW Series

Low-voltage Wall-mounted Energy Storage Battery





Slim wall-mounted pack with LCD



Wall-mounting bracket

YRBLBW Series Brief

A 51.2V, 100Ah lithium iron phosphate battery for home energy storage, mounted on the wall with its own bracket. Each pack stores 5.12kWh, and up to 16 packs combine into an 81.92kWh bank.

The pack works from -20°C to 60°C on discharge, talks to the inverter over CAN and RS485, and is certified to UL1973, IEC62619, CE and UN38.3.

Main Features

- Long life: ≥6000 cycles
- Long warranty: 5 years
- Strong performance: cold resistance -20~60°C, high-temperature resistance 0~50°C
- High safety: advanced lithium iron phosphate cell technology
- Modular design: multiple modules in parallel, easy to install and maintain
- Maximum combination ×16 (81.92kWh)
- IP54 protection

Application

- Residential solar energy storage
- Home backup power
- Time-of-use shifting

Battery Specifications

	Model	YRBLBW-51.2V100Ah-G1
Electrical	Battery Type	LiFePO4
	Nominal Battery Energy	5.12kWh
	Nominal Capacity	100Ah
	Nominal Voltage	51.2V
	Charging Cut-off Voltage	58.4V
	Discharging End-off Voltage	40V
	Recommended Charge / Discharge Current	50A
	Max. Charge / Discharge Current	100A
	Peak Charge / Discharge Current	200A (5s)
System	Cycle Life	≥6000 cycles
	Maximum Combination	×16 (81.92kWh)
	Communication	CAN / RS485
	Compatible Inverters	Deye, Growatt, Victron, SolarEdge, LuxPower, SRD, SMA, GoodWe, Sofar, Solis, SENERGY, MUST, AFORE, Voltronic, Sunways
	Certification & Safety Standard	9540A / UL1973 / CE / IEC62619 / UN38.3
	Warranty	5 years
Physical	Dimensions (W×H×D)	420×550×160mm
	Weight	45kg
	IP Level	IP54
	Charging Temperature	0°C~50°C
	Discharging Temperature	-20°C~60°C

Product specifications are subject to change without further notice.