

48V SERIES 50AH&100AH

WALL MOUNTED TYPE

LITHIUM ENERGY STORAGE

Offer up to 100% depth of discharge

Modular system design, easy expandable

Operates at unparalleled 98% efficiency for more than 5000 cycles

Proprietary architecture and integrated Battery Manage System(BMS)



Voltage	48V	48V
Combination	15S1P	15S2P
Capacity	50AH	100AH
Energy	2.4KWH	4.8KwH
Weight	28kg	55kg
Chemistry	Lithium Ferro Phosphate (Lifepo4) Safest Lithium Ion, No fire risk	
BMS	Built - in Battery Management System	
Connectors	Waterproof connector	
Dimension	485*295*180mm	510*480*180mm
Cycles (80% DOD)	6000 cycles	
Depeth of discharge	Up to 100%	
Lifetime	10 years	
Standard charge	15A	20A
Standard discharge	15A	20A
Maximum continuous charge	50A	100A
Maximum continuous discharge	50A	100A
Operation temperature	Charge: 0-45°C, Discharge: -20~55°C	
Storage Temperature	Keep at -20 to 65°C	
Protection standard	Ip21	
Cutoff voltage	54V	
Max.charging voltage	40.5V	
Memory effect	None	
Maintenance	Maintenance free	
Compatibility	Compatible with all standard off-grid inverters and charge controllers. Battery to inverter output sizing keep 2:1 ratio.	
Warranty Period	10 Years	
Remarks	This 48V wall battery BMS must be wired in parallel only. Wiring in series will void the warranty. Allow max. 14 units in parallel to expand more capacity.	