

5.12kWh 51.2V 100Ah Lithium ion battery module



Perfect Compatible

Compatible to Both Residential Single & Three Phase Inverter



Safe & Reliable

Lithium Iron Phosphate(LFP) cell
CE,ISO9001,UN38.3,FCC



Easy Installation

Fast and simple installation



Smart BMS

Advanced BMS system control
power output smartly and
effectively



Flexible Expansion

5kwh modular design,
scalable from 5 to 30 kWh



Long Life and safety

Ensure more than 5000 cycles with
80% DOD

Specification

Voltage	51.2V
Capacity	100Ah(C5,25℃)
Energy	5.12kWh
Internal Resistance	≤30mΩ
Cycle Life	≥4000 cycles@1C 100% DOD

Communication

Communication	RS485/CAN/RS232(only for parallel operation)
Compatible inverters	Growatt,Deye,Goodwe,Sofar,Sorotec,Pylontech and etc.

General Specification

Monthly Self Discharge	<3%
Efficiency of Charge	100% @ 0.2C
Efficiency of Discharge	96-99%@1C
Charge Mode	58.4±0.2V
Charge cut-off voltage	0.2C Charge to 58.4V,then 58.4V Charge to 0.02C cut-off
Charge current	20A
Max charge current	50A
Continuous current	100A
Discharge cut-off voltage	40V
Continuous discharge current	100A
Operating temperature	0℃ to 55℃ (32F to 131F) @60±25% Relative Humidity
Relative humidity	5%~95%
Cell & Method	Lithium-iron phosphate(LiFePO4) 3.2V 100AH-16S1P
Plastic Case	Iron
Dimensions	650*520*140mm
Weight	52 kg approximate
Environment	Indoor/Outdoor
Installation	Floor stand(optional),Wall mount(standard)
Scalability	Max.4 pieces in parallel operation



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