



QBA05G
Wall Pack Battery Storage

Product Features



With cell, environment, MOS temperature detection, cell high and low temperature alarm and protection function



Short Circuit Protection. Charging balance function. Cell capacity estimation function



With single cell voltage, battery pack voltage detection, over-charge, over-discharge alarm and protection functions



There are various modes of dormancy and awakening. RS232/RS485 communication interface, using isolation communication



With charge and discharge current detection, over-charge and over-discharge current warning and protection functions

Technical Specification

Item	Specifications	Note
Model	QBA05G	
Type	LiFePO4 Battery	
Pack Method	16S1P	
Nominal capacity	100Ah	Charge/Discharge: 0.5C Cut-off Voltage: 40V
Nominal voltage	51.2V	
Energy	5,120Wh	
Charge method	CC/CV	
Charge cut-off voltage	58.4V	
Discharge cut-off voltage	40V	
Standard charge current	50A	
Max. charge current	100A	Warranty conditions: Charge current ≤ 50A (0.5C) @ 77°F (25°C) 80% DoD
Standard discharge current	50A	
Max. continues discharge current	100A	Warranty conditions: discharge current ≤ 50A (0.5C) @ 77°F (25°C) 80% DoD
Operational efficiency	98%	
Cycle life	6,000 times	Discharge current ≤ 50A (0.5C) @ 77°F (25°C) 80% DoD
Internal impedance	≤50mΩ	
Dimension	620*470*165mm	
Weight	48 ± 2kg	
Communication Mode	CAN, RS485, RS232	
Working temperature range	Charge: 0°C ~ 55°C Discharge: -5°C ~ 55°C	
Storage Temperature	-10°C ~ 45°C	