



PA05G / PA05S  
Wall Pack / stacked 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	PA05G	PA05S	
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	760*600*100mm	
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		