



RS-RH series

Features



Safe & Reliable

Using LiFePO4 battery cells with safety performance and long cycle life, no memory effect, excellent performance of shallow charge and discharge.



Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Matching protocols with multiple mainstream inverters.



Convenient

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and BMS can balance the consistency of battery cells.

Parameters

Items	RS-RH Series		
Number of battery modules in series	3(Min)	10	12(Max)
Nominal voltage	153.6V	512V	614.4V
Manage battery capacity	100Ah		
Module energy	5.12kWh		
Module nominal voltage	5.12V		
Operation voltage range	139.2-175.2V	464-584V	556.8V~700.8V
Manage battery energy	15.36kWh	51.2kWh	61.44kWh
Recommend charge current	50A		
Max. continuous charge current	100A		
Recommend discharge current	50A		
Max. continuous discharge current	100A		
Operating temperature	50A		
Communication to inverter	RS485 / CAN		
Display	LED indicator, LCD display (Optional)		
Cycle life	≥6000 cycles		
Battery module weight	≈45kg (99.2 lbs)		
Module dimension(W*D*H)	442*460*133mm(17.4*18.1*5.2 inch)		
Dimension(W*D*H)	546*525*2100mm (12 Module)		
Cell type	LFP - Lithium iron phosphate (LiFePO4)		
Design life	15 years		
Protection rating	IP20		
Compatible inverters	Goodwe/Solis/SOFAR/Deye/Megarevo/SAJ/Atess/Solinteg		
Attitude	≤4000m		
Installation location	Rack mounted		
Certification	UN38.3		