



High Voltage Rack Mount Battery Series



Application fields:

Emergency energy storage, household energy storage, industrial energy storage, medical energy storage, communication base station energy storage and other fields.



Convenient

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



Eco-Friendly

The whole module is non-toxic, non-polluting and environmentally friendly.



Safe and Reliable

LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.



Flexible Configuration

Flexible expansion, capacity up to 60 Kwh per unit, support 4 units in parallel, compatible with more than 98% of inverters.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.



Wide Temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Model	FHR20480	FHR25600	FHR30720	FHR35840	FHR40960	FHR46080	FHR51200
Cell Chemistry	LiFePO4						
Module Energy(kWh)	5.12						
Module Nominal Voltage(V)	51.2						
Module Capacity(Ah)	100						
Cell Model	3.2V / 100Ah	3.2V / 100Ah	3.2V / 100Ah	3.2V / 100Ah	3.2V / 100Ah	3.2V / 100Ah	3.2V / 100Ah
Configuration	64S1P	80S1P	96S1P	112S1P	128S1P	144S1P	160S1P
System Nominal Voltage(V)	204.8	256.0	307.2	358.4	409.6	460.8	512.0
System Operating Voltage(V)	172.8-224	215-280	259.2-336	302.4-392	345.6-448	388.8-504	432-560
System Energy(kWh)	20.48	25.60	30.72	35.84	40.96	46.08	51.20
Charge/Discharge Current(A)	Recommend: 50A / Max: 100A						
Working Temperature	Charge: 0°C-55°C ; Discharge: -20°C-55°C						
Communication Port	CAN2.0/RS485/WIFI						
Humidity	5-85%RH Humidity						
Altitude	≤2000 m						
IP Rating Of Enclosure	IP20						
Dimension(W*D*H,mm)	538*492*791	538*492*941	538*492*1091	538*492*1241	538*492*1391	538*492*1541	538*492*1691
Weight Approximate(kg)	195	240	285	330	375	420	465
Installation Location	Rack Mounting						
Storage Temperature(°C)	0°C-35°C						
Recommend Depth Of Discharge	90%						
Cycle Life	25±2°C, 0.5°C/0.5°C, EOL70%≥6000						

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