



HV LiFePO4 Battery System (Rack Type)

- Safe & Reliable
- Longer Life & High efficiency
- Flexible Expansion
- Easy Installation

Rack Type High Voltage Lithium Battery System 256V-512V 106Ah

- 
Safety & Reliable
LiFePO4 & Smart BMS
- 
Optimal Electricity Cost
Long cycle life and superior performance
- 
Compact Size & East Installation
Module and Rack design for quick installation
- 
Expand capacity flexibly
Parallel to expand capacity easily
- 
High compatibility BMS
Seamless communication with most brands inverters
- 
Wide Applications:
Self-Use, Peak Shaving, UPS, Backup, ESS, HESS, BESS, Bank, Hospital, School, Hotel, Telecom, Base Station



Specifications(HV Rack Type Battery System)

MODEL	GRB-27.13H	GRB-32.56H	GRB-37.98H	GRB-43.41H	GRB-48.84H	GRB-54.27H
Battery Type	LiFePO4(LFP)					
Battery Module Data						
Nominal Voltage	51.2V					
Nominal Capacity	106AH					
Nominal Energy	54.27KWH					
Dimension	440*442*133mm					
Battery System Data						
Module Qty&Configuration	5pcs in series	6pcs in series	7pcs in series	8pcs in series	9pcs in series	10pcs in series
Nominal Voltage	256V	307.2V	358.4V	409.6V	460.8V	512V
Battery System Energy	27.13KWH	32.56KWH	37.98KWH	43.41KWH	48.84KWH	54.27KWH
System Usable Energy 90% DOD	24.41KWH	29.30KWH	34.18KWH	39.06KWH	43.95KWH	48.84KWH
Operating Voltage Range	224-288V	268.8-345.6V	313.6-403.2V	358.4-460.8V	403.2-518.4V	448-576V
Dimension(W*D*H)	600*400*985mm	600*400*1135mm	600*400*1285mm	600*400*1435mm	600*400*1585mm	600*400*1735mm
Weight	265KG	310KG	355KG	400KG	445KG	490KG
Charge Current	100A(MAX); 50A(Recommended)					
Discharge Current	100A(MAX); 50A(Recommended)					
Cycle Life	6000Cycles, 25°C					
Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, module temperature					
Communication	CAN/RS485					
IP Rating of Enclosure	IP20					
Operating Temp. Range	Charge: 0~55°C; Discharge: -20~55°C					
Transport or Storage Temperate Range	-20°C-45°C					
Humidity	10% - 95% (No Condensing)					
Altitude	≤2000m					
Design Life	15Years+					