

HV LiFePO4 Battery System

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

Rack Type High Voltage Lithium Battery System 240V-480V 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-25.44H	GRB-30.52H	GRB-35.61H	GRB-40.70H	GRB-45.79H	GRB-50.88H
Battery Type	LiFePO4(LFP)					
Battery Module Data						
Nominal Voltage	48V					
Nominal Capacity	106AH					
Nominal Energy	5.088KWH					
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	240V	288V	336V	384V	432V	480V
Battery System Energy	25.44KWH	30.52KWH	35.61KWH	40.70KWH	45.79KWH	50.88KWH
System Usable Energy 90% DOD	22.89KWH	27.46KWH	32.04KWH	36.63KWH	41.21KWH	45.79KWH
Operating Voltage Range	210-270V	252-324V	294-378V	336-432V	378-486V	420-540V
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+					