







## HV LiFePO4 Battery System

# Battery Solutions

### Rack Type High Voltage Lithium Battery System 256V 200Ah 51.2KWH

-  **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, Base Station



## Specifications(HV Rack Type Battery System)

MODEL	GRB-51.2H
Battery Type	LiFePO4(LFP)
<b>Battery Module Data</b>	
Battery Module	51.2V 200AH
Dimension of Battery Module	480*602*250mm
Weight of Total Battery System	650KG
<b>Battery System Data</b>	
Nominal Voltage	256.0V
Nominal Capacity	51.2KWH
Usable Capacity (90%)	46.08KWH
Number of Modules	5PCS 51.2V 200Ah in series
Operating Voltage Range	228-280V
MAX Charge Current	100A
MAX Discharge Current	100A
Cycle Life	>6000Cycles, 25°C
Internal Resistance	≤30mΩ
<b>BMS</b>	
Power Consumption	<1.5W (Work) < 100mW(Sleep)
Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, module temperature
Communication	CAN/RS485
<b>General</b>	
Operating Temperature Range	-10°C -50°C
Transport or Storage Temperature Range	-20°C -45°C
Humidity	10% - 95% (No Condensing)
Design Life	15Years+

