

RACK-STACK HIGH-VOLTAGE SYSTEM

RACK-STACK HIGH VOLTAGE SYSTEM SOLUTION · 256V / 307V / 358V / 409V / 460V / 512V / 563V / 614V



A-Grade LFP Cells

Parallel Expandable

Smart BMS

Remote Monitoring

Long Service Life

OEM & Customization

Datasheet

RACK-HV	256V 100Ah(5S)	307V 100Ah(6S)	358V 100Ah(7S)	409V 100Ah(8S)	460V 100Ah(9S)	512V 100Ah(10S)	563V 100Ah(11S)	614V 100Ah(12S)
RECOMMENDED FOR	Prosumer / Large Residential			Small Commercial		Commercial / Light Industrial		Heavy Commercial / Industrial
MAIN PARAMETER								
Battery Type	LiFePO4							
Model Power (kWh)	5.12							
Module Nominal Voltage (V)	51.2							
Rated Energy (Ah)	100							
Battery Module QTY	5	6	7	8	9	10	11	12
System Rated Voltage (V)	256	307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating Voltage (V)	224-288	268.8-345.6	313.6-403.2	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2
System Nominal Power (kWh)	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Discharge Power (kWh)	23.04	27.65	32.26	36.86	41.47	46.08	50.69	55.3
Rated Current (A)	50							
Max. Current (A)	100							
Overload Current (A)	125 (1min, 25°C)							
Communication Protocol	CAN2.0							
Working Temperature Range	-20 ~ 55°C							
Working Humidity Range	≤95% (No condensation)							
Working Altitude	≤2000m							
System Cooling Method	Natural cooling							
Protection Grade	IP20							
Installation Location	Indoor							
Net Weight (KG)	320	384	408	452	496	540	584	628
Dimension (mm)	560*620*2158							
Storage Temperature	0~35°C							
Recommended Discharge Depth	90%							
Cycle Life	25±2°C/0.2C/90%±6000							
Certification	CE/MSDS/UN38.3							

[1] System discharge power, test conditions: 90% DOD, 0.2C charging and discharging at 25°C. (The available energy of the system may vary depending on the system configuration parameters)

[2] The current magnitude is affected by temperature and SOC.

* If the ambient temperature is too high or too low, performance will be limited. * Under specific test conditions.