

High Voltage Rack Design

R5-HV-57.34~200.7kWh Series



Model	R5-HV-57.34	R5-HV-71.68	R5-HV-86.02	R5-HV-100.35	R5-HV-114.69	R5-HV-129.02	R5-HV-143.36	R5-HV-157.7	R5-HV-172.03	R5-HV-186.37	R5-HV-200.7
Material System	Lithium Iron Phosphate										
Module Nominal Voltage (V)	51.2										
Module Capacity (Ah)	280										
Unit Model/Configuration	3.2V280 Ah/64 S1P	3.2V280 Ah/80 S1P	3.2V280 Ah/96 S1P	3.2V280 Ah/112 S1P	3.2V280 Ah/128 S1P	3.2V280 Ah/144 S1P	3.2V280 Ah/160 S1P	3.2V280 Ah/176 S1P	3.2V280 Ah/192 S1P	3.2V280 Ah/208 S1P	3.2V280 Ah/224 S1P
System Nominal Voltage (V)	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4	665.6	716.8
System Operating Voltage (V)	176-227.2	220-284	264-340.8	308-397.6	352-454.4	396-511.2	440-568	484-624.8	528-681.6	572-738.4	616-795.2
System Energy (kWh)	57.34	71.68	86.02	100.35	114.69	129.02	143.36	157.7	172.03	186.37	200.7
Charge/Discharge Current(A)	100										
Charge/Discharge Current(A) Max	200										
Operating Temperature	Charging: 0°C~55°C; Discharging: -10°C~55°C										
Communication	CAN/RS485/RS232										
Humidity	5~85%RH Humidity										
Altitude	≤2000m										
IP Class	IP20										
Dimensions (L*W*H, mm)	550*780*1440	550*780*1690	1090*780*1190	1090*780*1190	1090*780*1440	1090*780*1440	1090*780*1690	1090*780*1690	1090*780*1940	1090*780*1940	1090*780*2190
Approximate Weight (kg)	534	660	796	912	1048	1164	1300	1416	1300	1668	1804
Install Type	Rack Mounting										
Storage Temperature (°C)	-20°C~60°C										
Recommended Discharge Depth	80%										
Cycle Life	25±2°C, 6000 cycles@80%DOD,0.5C										



Convenient

Quick installation, standard embedded designed module is comfortable for installation and maintenance.



Safe and Reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, excellent performance of shallow charge and discharge.



Intelligent BMS

Protection functions including over-discharge, over-charge, over-current and over-high or low temperature. Automatically manage charge and discharge state and balance current and voltage of each cell.



Eco-Friendly

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



Flexible Configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).



Wide Temperature

Working temperature range is from -10°C to 55°C, with excellent discharge performance and cycle life.