

Battery Cluster

R5-HV-112.54~241.15kWh Series



Model	R5-HV-64.31	R5-HV-80.38	R5-HV-96.46	R5-HV-112.54	R5-HV-128.61	R5-HV-144.69	R5-HV-160.77	R5-HV-176.84	R5-HV-192.92	R5-HV-209	R5-HV-225.08
Material System	Lithium Iron Phosphate										
Module Nominal Voltage (V)	51.2										
Module Capacity (Ah)	314										
Unit Model/Configuration	3.2V314 Ah/64 S1P	3.2V314 Ah/80 S1P	3.2V314 Ah/96 S1P	3.2V314 Ah/112 S1P	3.2V314 Ah/128 S1P	3.2V314 Ah/144 S1P	3.2V314 Ah/160 S1P	3.2V314 Ah/176 S1P	3.2V314 Ah/192 S1P	3.2V314 Ah/208 S1P	3.2V314 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)	64.31	80.38	96.46	112.54	128.61	144.69	160.77	176.84	192.92	209	225.08
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)	575*80 0*1530	575*80 0*1800	1080*80 0*1250	1080*80 0*1250	1080*80 0*1530	1080*80 0*1530	1080*80 0*1800	1080*80 0*1800	1655*80 0*1530	1655*80 0*1530	1655*80 0*1530
Approximate Weight (kg)	530	665	795	930	1060	1195	1327	1460	1593	1726	1860
Install Type	Rack Mounting										
Storage Temperature (°C)	-20°C~60°C										
Recommended Discharge Depth	80%										
Cycle Life	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. The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can 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.