

## Product Feature >>>



### High Quality Battery Cell

Long cycle life: More than 6000 cycles  
@ 80% DOD:  
Passed International Certifications:  
IEC62619,UL1973,UN38.3,CE  
Meet the most stringent cell intrinsic safety requirements.



### Integrated production

More than 20 complete control processes  
More than 100 MES data points  
More than 500 quality control points  
All data upload to the cloud for long-term traceability.



### Modular Design

Avoid short circuit, flexible buffering between cells, overall elastic restraint to reduce the influence of cell expansion;  
Air duct between cells effectively control heat accumulation & avoid thermal runaway.



### Rigorous Tests

Passed 28 safety & reliability tests, 500 performance testing



### Thermal Management System

Perfect thermal management technology through simulation and actual testing, to control the temperature rise in the battery system to <math><5^{\circ}\text{C}</math>



### Operation Guarantee

Two-stage battery safety management system  
Full coverage of key sampling points to build a complete IoT  
Real-time monitoring feedback, fault diagnosis and warnings  
Triple protection, blocking risk spread

# 256V-614.4V

25.6KWH 40.96KWH 61.44KWH



## Product Data Sheet >>>

Models	iRack-HVS 25	iRack-HVS 40	iRack-HVS 60
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Cell Type	LFP	LFP	LFP
Total Energy	25.6kWh	40.96kWh	61.44kWh
Number of Modules	5	8	12
Configuration	1P80S	1P128S	1P192S
Nominal Capacity	100Ah	100Ah	100Ah
Nominal Voltage	256V	409.6V	614.4V
Operating Voltage Range	224Vdc-288Vdc	358.4Vdc-460.8Vdc	537.6Vdc-691.2Vdc
Battery Max Continuous Charge/Discharge Power	12.8kW	20.48KW	30.72kW
Dimension [W x D x H]	550*650*1100mm	580*650*1590mm	580*650*2155mm
Net Weight	277kg	392kg	564kg
Max. Charge Current	50A		
Max. Discharge Current	50A		
Communication	CAN,RS485,LAN		
Enclosure Protection Rating	Ip20		
Altitude	<math><2000\text{m}</math>		
Installation	Indoor		
Charging Temp Range	0 $^{\circ}\text{C}$ -55 $^{\circ}\text{C}$		
Discharging Temp Range	-10 $^{\circ}\text{C}$ -55 $^{\circ}\text{C}$		
Working Humidity	5%-95%		
Cycle Life	>6,000 Cycle@ 80% DOD/25 $^{\circ}\text{C}$ /0.5C,60%EOL		
Communicated Inverter	GOODWE/ Deye/MEGAREVO /SOFAR		
Certification	IEC62619,UL1973,UN38.3,CE		