

## 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

# 358.4V-768V

100.35KWH 215.04KWH



## Product Data Sheet >>>

Models	iRack-HVM 100	iRack-HVM 215
		
Models	iRack-HVM 100	iRack-HVM 215
Cell Type	LFP	LFP
Total Energy	100.35kWh	215.04kWh
Number of Modules	7	15
Configuration	1P112S	1P240S
Nominal Capacity	280Ah	280Ah
Nominal Voltage	358.4V	768V
Operating Voltage Range	313.6Vdc~403.2Vdc	672Vdc-864Vdc
Battery Max Continuous Charge/Discharge Power	50.18kW	107.52kW
Dimension [W x D x H]	680*750*2260mm	1200*750*2260mm
Net Weight	955kg	1650kg
Max. Charge Current	140A	
Max. Discharge Current	140A	
Communication	CAN.RS485.LAN	
Enclosure Protection Rating	Ip20	
Altitude	≤2000m	
Installation	Indoor	
Charging Temp Range	0℃-55℃	
Discharging Temp Range	-10℃-55℃	
Working Humidity	5%-95%	
Cycle Life	>6.000 Cycle@ 80% DOD/25℃/0.5C,60%EOL	
Communicated Inverter	GOODWE/ Deye/MEGAREVO /SOFAR	
Certification	IEC62619,UL1973,UN38.3,CE	