

Product Feature >>



High Quality Battery Cell

Long cycle life: More than 8000 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 <5°C



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

Product Data Sheet >>

Models	iRack-HVM 107	iRack-HVM 215
Models	iRack-HVM 107	iRack-HVM 215
Cell Type	LFP	LFP
Total Energy	107.52kWh	215.04kWh
Number of Modules	6	12
Configuration	1P120S	1P240S
Nominal Capacity	280Ah	280Ah
Nominal Voltage	384V	768V
Operating Voltage Range	336Vdc~432Vdc	672Vdc-864Vdc
Battery Max Continuous Charge/Discharge Power	53.76kW	107.52kW
Dimension [W x D x H]	550*1000*1865mm	1080*1000*1865mm
Net Weight	1055kg	1950kg
Max. Charge Current	140A	
Max. Discharge Current	140A	
Communication	CAN,RS485	
Enclosure Protection Rating	IP20	
Altitude	≤2000m	
Installation	Indoor	
Charging Temp Range	0°C-55°C	
Discharging Temp Range	-10°C-55°C	
Working Humidity	5%-95%	
Cycle Life	≥8.000 Cycle@ 80% DOD/25°C/0.5C,60%EOL	
Communicated Inverter	Deye / MEGAREVO / GOODWE / ATESS / SINEXCEL	
Certification	IEC62619,UL1973,UN38.3,CE	