High-Voltage Battery

IEC CE UN38.3

Product Feature ›››

256V-614.4V

25.6KWH | 40.96KWH | 61.44KWH

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, overal 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& reliabilitytests,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-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]	540*640*1060mm	570*615*1575mm	570*615*2145mm
Net Weight	277kg	392kg	564kg
Max. Charge Current	50A		
Max. Discharge Current	50A		
Communication	CAN.RS485		
Enclosure Protection Rating	IP20		
Altitude	⩽2000m		
Installation	Indoor		
Charging Temp Range	0℃-55℃		
Discharging Temp Range	-10℃-55℃		
Working Humidity	5%-95%		
Cycle Life	⩾8.000 Cycle@ 80% DOD/25℃/0.5C,60%EOL		
Communicated Inverter	Deye / MEGAREVO / GOODWE / ATESS / SINEXCEL		
Certification	IEC62619,UL1973 ,UN38.3,CE		