

Lithium Battery iRack-HVM Series



Product features



Flexible Expansion

Up to 10 units in parallel,
100.35kWh~2.41MWh energy
coverage



Easy Installation

Modular design for rapid
expansion and installation



PACK-Level Active Fire Protection

Integrated aerosol fire suppression
ensures fast response and reliable
thermal runaway protection.



Fast Charge/Discharge

Maximum 0.5C charge and
discharge



Long Life

LFP cells, 8000+ cycles



High Safety LFP

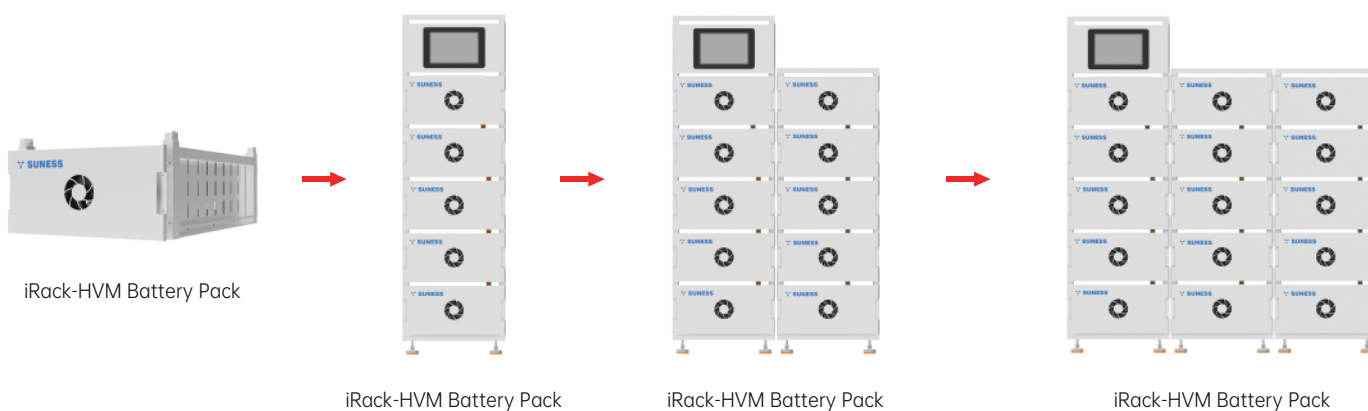
LFP & smart BMS

Technical Specifications

Model	iRack-HVM	
Battery Type	LiFePO4	
Module Voltage/Capacity	51.2V/280Ah	51.2V/314Ah
Module Energy	14.34kWh	16.08kWh
System Modules Serial Number	7~15 (Supports 5 battery modules: Customization required)	
System Energy Range	100.35kWh~215kWh	112.56kWh~241.2kWh
Operating Voltage	313.6V~864V	
Recommended Charge & Discharge Current	140A(0.5C)	157A(0.5C)
Max. Charge & Discharge Current	200A	
Depth of Discharge	95%	
Communication	CAN/RS485	
Cycle Life	≥8000 cycles	
Dimensions of High Voltage Control Box (L*W*H)	705*485*225mm	
Single Module Dimensions (L*W*H)	780*485*245mm	
Weight of High Voltage Control Box	25kg	
Single Module Weight	114kg	
Charging Temp. Range	0~55°C	
Discharging Temp. Range	-10~55°C	
Protection Level	IP20	
Installation method	Stack type	
Fire Protection	Aerosol/Perfluorohexanone	
Cooling method	Forced wind cooling	
Battery Module Name	HVM-BAT	
Certification & Safety Standard	UN38.3,CE-EMC,IEC62619	
Compatible Inverters	Solis/Growatt/Sosen/Solinteg/Atess/Magarevo/Deye ect.	

NOTE:

- * Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD.
- * If the installation is on an upper floor, you will need to evaluate the floor weighing before determining the number of stacks.
- * Specifications are subject to change without prior notice.



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