HV48100

Safety-Oriented

LFP Chemistry, Grade A Cells & Field-Proven Modular BMS Built-In

Scalable & Flexible

Increase Capacity on Demand, Ideal for Residential, Commercial & Industrial Use

High Energy Efficiency

Increased Energy Density and Low Resistive Losses

Powerful

High Power Output, Suitable for Applications that Require Quick Bursts of Energy

Compatibility

Field Integrated Solutions, Wide Voltage Range Compatible with Industry Leading Inverters

Smart

Remote Upgrading & Monitoring

Inverter Compatibility List

Sol-Ark LIMITLESS POWER

solis

Sinexcel

HV48100 Specifications

HV48100 BCU (Battery Control Unit)

Controller Working Voltage	200V~870V
Self-consumption Power	7.56W
Dimensions (W*D*H)	19.06*20.09*5.51inch/484*510*140mm
Weight	29.32lbs/13.3kg

HV48100 BMU (Battery Module Unit)

Nominal Voltage	51.2V
Voltage Range	45.5-58V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Continuous Discharging/Charging Current	50Adc
Chemistry	LFP
Communication	CAN, RS485
Dimensions (W*D*H)	19.06*20.87*5.51inch/484*530*140mm
Weight	94.8lbs/43kg

HV48100 System

Nominal System Voltage	256~768V
System Voltage Range	(45.5V~58V)*n
Nominal System Capacity	100Ah
Nominal System Energy	25.6~76.8kWh
Continuous Charge/ Discharge Current	50Adc
BMU Qty. (Variable)	5~15
Communication	CAN, RS485, Dry Contact, WiFi
Recommended Depth of Discharge	80%
Dimensions (W*D*H)	23.62*25.2*61.22inch/600*64*1555mm
Weight (Cabinet+BCU+BMU)	197.5lbs+29.32lbs+94.8lbs*n/ 89.6kg+13.3kg+43kg*n
Operation Humidity	0~95%, No Condensation
Operating Temperature	Charge:32°F~134.6°F/0°C~57°C Discharge:-0.4°F~134.6°F/-18°C~57°C
Ingress Protection	IP20
Cycle Life	⩾6000 cycles
Altitude	<13123.35ft/4000m
Warranty	10 Years

*Note."n" represent the quantity of BMU, from 5 to 15 pcs.

Certifications

UL 9540 Ed.3 (2023), UL 9540A, UL 1973, CEC, SGIP

Pytes

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