

# 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



# 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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