

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

PYTES (USA) ENERGY, INC

Address: 13921 Senlac Dr, Farmers Branch, TX 75234
Site: www.pytesusa.com
Email: pytesusa@pytesgroup.com



LinkedIn




Facebook




YouTube




www.pytesusa.com
