

HV48100



Features



Higher Energy Density



Lower Resistive Losses



Superior Performance



Remote Upgrading & Monitoring



Enhanced Safety Features

10 Years Warranty

CE UN38.3 

HV48100 Specs

Battery Controller Unit: HV48100 BCUs

Controller Working Voltage	200V~1000V
Self-consumption Power	7.56W
Dimensions (W*D*H)	440*530*140 mm / 17.3*20.9*5.5 inch
Weight	13 kg / 28.7 lbs
Communication	CAN, RS485, Dry Contact, WiFi

Battery Management Unit: HV48100 BMUs

Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Continuous Discharging/Charging Current	50Adc
Voltage Range	44.8~58.4V
Depth of Discharge	80%
Dimensions (W*D*H)	440*530*140 mm / 17.3*20.9*5.5 inch
Weight	43 kg / 94.8 lbs
Communication	CAN, RS485
Cycle Life	≥6000 cycles
Operation Temperature	0°C~50°C / 32°F~122°F
Storage Temperature	-20°C~60°C / -4°F~140°F

HV48100 System

System Energy	5.12kWh*n
System Voltage	51.2V*n
System Capacity	100Ah
Battery System Charge Upper-Voltage	58.4V*n
Battery System Discharge lower-Voltage	44.8V*n
Continuous Discharging/ Charging Current	50Adc
BCU Model	HV48100 BCUs
BMU Model	HV48100 BMUs
BMU Qty. (Optional)	5~15
Depth of Discharge	80%
Dimensions (W*D*H)	600 * 640 * 1600 mm / 23.6 * 25.2 * 63.0 inch
Weight	180 kg + 43 kg*n /396.8 lbs+94.8 lbs*n
Communication	CAN, RS485, Dry Contact, WiFi
Cycle Life	≥6000 cycles
Operation Temperature	0°C~50°C / 32°F~122°F
Storage Temperature	-20°C~60°C / -4°F~140°F
Operation Humidity	0~95%, No Condensation
Protection level	IP20

Certifications

CE, IEC62619, UL1973, UN38.3, (TBD: UL9540, UL9540A)