

HV48100



Features



Higher Energy Density



Lower Resistive Losses



Superior Performance



Remote Upgrading & Monitoring



Enhanced Safety Features

10 Years Warranty

CE UN38.3



HV48100 Specs

HV48100 BCU

Controller Working Voltage	200V~870V
Self-consumption Power	7.56W
Dimensions (W*D*H)	484*510*140 mm / 19.1*20.1*5.5 inch
Weight	13.3 kg / 29.3 lbs
Communication	CAN, RS485, Dry Contact, WiFi

HV48100 BMU

Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Continuous Discharging/Charging Current	50Adc
Voltage Range	45.5~58V
Depth of Discharge	90%
Dimensions (W*D*H)	484*530*140 mm / 19.1*20.9*5.5 inch
Weight	43 kg / 94.8 lbs
Communication	CAN, RS485
Cycle Life	≥6000 cycles
Operation Temperature	Charge: 0°C~45°C(32°F~113°F), Discharge: -10°C~50°C(14°F~122°F)
Storage Temperature	Within 1month: -20°C~50°C(-4°F~122°F) 1-3months: -10°C~40°C(14°F~104°F) 3-12months: > 0°C~30°C(32°F~86°F)

HV48100 System

System Energy	5.12kWh*n
System Voltage	51.2V*n
System Capacity	100Ah
Battery System Charge Upper-Voltage	58V*n
Battery System Discharge lower-Voltage	45.5V*n
Continuous Discharging/ Charging Current	50Adc
BCU Model	HV48100 BCU
BMU Model	HV48100 BMU
BMU Qty. (Optional)	5~15
Depth of Discharge	90%
Dimensions (W*D*H)	600 * 640 * 1555 mm / 23.6 * 25.2 * 61.2 inch
Weight	89.6 kg + 13.3 kg + 43 kg*n / 197.5 lbs + 29.3 lbs + 94.8 lbs*n
Communication	CAN, RS485, Dry Contact, WiFi
Cycle Life	≥6000 cycles
Operation Temperature	Charge: 0°C~45°C(32°F~113°F), Discharge: -10°C~50°C(14°F~122°F)
Storage Temperature	Within 1month: -20°C~50°C(-4°F~122°F) 1-3months: -10°C~40°C(14°F~104°F) 3-12months: > 0°C~30°C(32°F~86°F)
Operation Humidity	0~95%, No Condensation
Protection level	IP20

Certifications

CE, IEC62619, UL1973, UL9540, UL9540A, UN38.3