

# HV48100



CE UN38.3 

## Features

 Higher Energy Density

 Lower Resistive Losses

 Superior Performance

 Remote Upgrading & Monitoring

 Enhanced Safety Features

 10 Years Warranty

### 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	80%
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	-20°C~60°C / -4°F~140°F
Storage Temperature	-30°C~60°C / -22°F~140°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	80%
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	-20°C~60°C / -4°F~140°F
Storage Temperature	-30°C~60°C / -22°F~140°F
Operation Humidity	0~95%, No Condensation
Protection level	IP20
Certification	CE, IEC62619, UL1973, UN38.3, (TBD: UL9540, UL9540A)