HV48300 Max

Adaptable C&I Solution



Features

Safe

- Tier 1 automotive-grade LFP cells
- BMS multi-level monitoring and protection
- Support aerosol fire extinguishing

Easy O&M

- Independent fan cooling for each module, simple structure & no liquid cooling circuits, low long-term maintenance cost and nearly zero civil work cost

Scalable

- Scale seamlessly to MWh-level capacity with our modular battery system industrial-scale applications
- Standardized modular design for multiple scenarios: industrial & commercial peak shaving, backup power, PV-storage-charging integration, with lower upfront investment and maintenance costs

Flexible

- Multiple battery string configurations support a wide range of operating voltage
- Universal mounting structure accommodates various inverter models
- Simple bracket, free stacking, saving time, labor and cost

HV48300 Max Specs

HV48300 Max BCU

Controller Working Voltage	232.5V~852V
Self-consumption Power	7.8W
Dimensions (W*D*H)	436*542.4*225 mm / 17.1*21.3*8.8 inch
Weight	22 kg / 48.5 lbs
Communication	CAN, RS485, Dry Contact, WiFi

HV48300 Max BMU

Cell Type	LFP
Nominal Energy	16.07kWh
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Continuous Discharging/Charging Current	157Adc
Voltage Range	46.5-56.8V
Depth of Discharge	90%
Dimensions (W*D*H)	440*787*227 mm / 17.3*30.9*8.9 inch
Weight	122 kg / 268.9 lbs
Communication	CAN, RS485
Cell Cycle Life	⩾8000 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)

HV48300 Max System

System Energy	16.07kWh*n
System Voltage	51.2V*n
System Capacity	314Ah
Battery System Charge Upper-Voltage	56.8V*n
Battery System Discharge lower-Voltage	46.5V*n
Continuous Discharging/ Charging Current	157Adc
BCU Model	HV48300 Max BCU
BMU Model	HV48300 Max BMU
BMU Qty. (Optional)	5~15
Depth of Discharge	90%
Weight	22 kg + 122 kg*n / 48.5 lbs + 268.9 lbs*n
Communication	CAN, RS485, Dry Contact, WiFi
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
Cell Cycle Life	⩾8000 cycles
Warranty	basic warranty 5 years/advantage warranty 10 years; or 8000 cell cycles(Condition: 0.5P/0.5P, 90%DOD [Recommended SOC Range=10-100%], 20°C~35°C, ret 70%)

Certifications

UL9540, UL9540A, UL1973, UL60730, UN38.3, IEC62619, IEC63056, IEC60730, CE EMC, IEC62477, IEC62040, ECM