

EG4[®] LL 24V 200AH SERVER RACK BATTERY



The performance and longevity of our EG4 batteries are second to none! Get peace of mind knowing our batteries are designed to last for more than 7,000 deep charge and discharge cycles and have a life cycle of more than 15 years with an 80% depth of discharge daily!

**BUILT IN BMS
200A**

**10-YEAR
WARRANTY**

**STORAGE
CAPACITY
5.12KWH**

DUAL ON-BOARD FIRE ARRESTORS

Provide fail-safe operation in high-risk environments and safeguard against rare hardware failure on high-voltage solar charge controllers

REAL-TIME STATISTICS

Using Bluetooth integration with a customized app and PC monitoring software

ON-BOARD LCD TOUCH SCREEN

Easy to see BMS monitoring, and selectable closed-loop communications with several popular inverter brands

PARALLEL UP TO 16 BATTERIES

Get the most power possible! Up to 81.9 kWh while maintaining BMS communications.

SCAN FOR UPDATED
DOCUMENTS



S P E C I F I C A T I O N S H E E T

| MODULE OPERATING PARAMETERS | | | |
|--------------------------------------|------------------------------------|-------------------|---|
| Voltage | | | 25.6V |
| Capacity | | | 200Ah |
| Charging Voltage (Bulk/Absorb) | | | 28.1V (+/-0.2V) |
| Float | | | 27.0V (+/-0.2V) |
| SOC Cutoff | | | 20% |
| Charging Current | | | 200A (Max. Continuous) |
| Discharging Current | | | 200A (Max. Continuous) |
| ENVIRONMENTAL PARAMETERS | | | |
| Charging Range | | | 32°F - 113°F (0°C to 45°C) |
| Discharging Range | | | -4°F - 122°F (-20°C - 50°C) |
| Storage Range | | | -4°F - 122°F (-20°C - 50°C) |
| Ingress Protection | | | IP20 |
| BMS PARAMETERS | | | |
| CHARGE | SPEC | DELAY | RECOVERY |
| Cell Voltage Protection | 3.9V | 1s | 3.45V |
| Module Voltage Protection | 30.0V | 1s | 28.8V |
| Over Charging Current 1 | >102A | 10s | - |
| Over Charging Current 2 | ≥120A | 3s | - |
| Temperature Protection | <23°F or >158°F <-5°C or >70°C | 1s | <32°F or >140°F >0°C or <60°C |
| DISCHARGE | | | |
| Cell Voltage Protection | 2.3V | 1s | 3.1V |
| Module Voltage Protection | 20.8V | 1s | 22.4V |
| Over Charging Current 1 | >102A | 10s | 60s |
| Over Charging Current 2 | >150A | 3s | 60s |
| Short-Circuit | >250A | <0.1mS | - |
| Temperature Protection | <-4°F or >167°F <-20°C or >75°C | 1s | >14°F or <149°F >-10°C or <65°C |
| PCB Temp Protection | >221°F (>105°C) | 1s | <176°F (<80°C) |
| GENERAL SPECIFICATIONS | | | |
| PARAMETER | SPEC | CONDITION | |
| Cell Balance | 120mA | Passive Balance | Cell Voltage Difference >40mV |
| Temperature Accuracy | 3% | Cycle Measurement | Measuring Range -40°F – 212°F (-40°C – 100°C) |
| Voltage Accuracy | 0.5% | Cycle Measurement | For Cells/Module |
| Current Accuracy | 3% | Cycle Measurement | Measurement Range +/-200A |
| SOC | 5% | - | Integral Calculation |
| Power Consumption (Sleep & Off Mode) | <300uA | - | Storage/Transport |
| Power Consumption (Operating) | <20mA | - | Charging/Discharging |

| | | |
|-----------------------------|---|--------------|
| Communication Ports | RS485/CAN | Customizable |
| Maximum Modules in Parallel | 16 | |
| Dimension (H×W×D) | 6.1 in.×19 in.×20.2 in. (15.5 cm×48.2 cm×51.3 cm) | |
| Weight | 99.2 lbs. (44.5 kg) | |

*EG4 recommends this value be set no lower than 20% to maintain the recommended 80% depth of discharge.