INTELLIGENT FEATURES

Up to 128 Parallel Connections
- Intelligent battery-to-battery balancing
- Additive continuous and peak currents
- No additional hardware needed

Heatsink Design
- Strategically located
- Unique passive cooling
- Prevents over-heating of critical components

Dual M8 Terminals (insert and Stud)
- Ample space for connections

LED Indicator
- Provides State of Charge (SOC)

Unique BMS Design
- Microcontroller-based design
- Innovative protection algorithms
- MOSFET-based for ultra-fast response times
- High-resolution internal measurements
- Ultra-low self-consumption
- Non-volatile historical data
- CANbus communication

MODEL
Part Number 24V060-GC2-001

FUNCTIONAL SPECIFICATIONS
Nominal Voltage 25.6V
Cell Chemistry LiFePO4
Cell Type Prismatic
Ampere-hour Capacity 60Ah
Watt-hour Capacity 1.536kWh
Specific Energy 128Wh/kg
Charge Efficiency 99%
Impedance (50% SOC, 1kHz) <100mΩ
Cycles @ 80% DOD >6000

MECHANICAL SPECIFICATIONS
BCI Size GC2
Dimensions (LxWxH) 260 x 180 x 276 mm
Weight 34.4 lbs (15.6kg)
Case Material ABS
Stud Terminal M8 X 1.25 - 20
Insert Terminal M8 X 1.25 - 20
Handles Molded
Ingress Protection Marking IP67
Case Flame Rating UL94 V-0

DISCHARGE SPECIFICATIONS
Continuous Discharge Current 150A
Discharge Current (30-sec) 275A
Max Discharge Current (10-sec) 300A
Short Circuit Protection 1000A
Low Voltage Disconnect 20V (5s)
Low Voltage Reconnect Reset & Charge
Self-Discharge per Month @ 25°C Idle 1.2%, Sleep 0.12%

CHARGE SPECIFICATIONS
Continuous Charge Current 50A
Max Charge Voltage 29.2V
Recommended Charge Voltage 28V
Float Voltage 27.6V
High Voltage Disconnect 30.4V (4s)
High Voltage Reconnect Automatic
Temperature Compensation None
ENVIRONMENTAL SPECIFICATIONS

*Charge Temperature  
-20°C to 45°C

Discharge Temperature  
-20°C to +60°C

Operating Humidity  
<90% RH

Storage Temperature  
-40°C to +60°C

Storage Humidity  
25 to 85% RH

*For charging below 0°C see Charging Instructions

APPLICATIONS

Traction and Stationary Including:
Utility Vehicles
Floor Machines
AWP
Marine
Solar
Back-Up

SHIPPING CERTIFICATIONS

UN 3480, Class 9

1. Dual M8 Terminals (insert & stud)
2. CANbus Input/Output
3. Wake-Up Button
4. SOC/Status LEDs
5. Heatsink
6. Vent
7. Lifting Brackets