





LiFePO4

### **INTELLIGENT FEATURES**

#### **Unlimited Parallel Connections**

- Intelligent battery-to-battery balancing
- Additive continuous and peak currents
- Scale as 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
- Intuitive software
- Solid State Switch for ultra-fast response times
- High-resolution internal measurements
- Non-volatile historical data
- CANbus communication
- Sleep mode capability



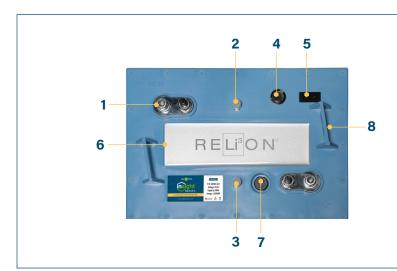
MODEL	
Part Number	24V060-GC2

FUNCTIONAL SPECIFICATIONS		
Nominal Voltage	25.6	
Cell Chemistry	LiFePO4	
Cell Type	Prismatic	
Ampere-hour Capacity	60Ah	
Watthour Capacity	1.536kWh	
Specific Energy	128Wh/kg	
Charge Efficiency	99%	
Impedance (50% SOC, 1kHz)	<100mΩ	
Cycles @ 80% DOD	>3500	
Parallel Capable	Yes (unlimited)	
Series Capable	No (max 24V system)	

MECHANICAL SPECIFICATIONS		
BCI Size	GC2 / GC8	
Dimensions (LxWxH)	10.2 x 7.1 x 10.9 in (260 x 180 x 276 mm)	
Weight	34.4 lbs (15.6 kg)	
Case Material	ABS	
Stud Terminal	M8 X 1.25 - 20	
Insert Terminal	M8 X 1.25 - 20	
Torque	79.7-88.5 in-lbs. 6.6 - 7.4 ft-lbs. 9-10 N-m	
Handles	Molded	
Ingress Protection Marking	IP67	
Case Flame Rating	UL94 V-0	

DISCHARGE SPECIFICATIONS		
Continuous Discharge Current	100A	
Peak Discharge Current	240A - 15 sec	
Peak Discharge Current	440A - 30 msec	
Short Circuit Protection	880A - 610 µsec	
Protection Recover	Automatic	
Low Voltage Disconnect	20V - 5 sec (2.5vpc)	
Low Voltage Reconnect	Automatic	
Self-Discharge per Month @ 25°C in OFF mode	2.80%	

CHARGE SPECIFICATIONS		
Continuous Charge Current	≤ 60A	
Disconnect Charge Current	65A - 5 sec	
Recommended Charge Voltage	27.6V	
Float Voltage	27.2V	
High Voltage Disconnect	29.6V (3.7vpc) (4 sec)	
High Voltage Reconnect	Automatic	
Temperature Compensation	None	



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

ENVIRONMENTAL SPECIFICATIONS		
Charge Temperature	32°F to 131°F (0°C to 55°C)	
Discharge Temperature	-22°F to 149°F (-30°C to 65°C)	
Operating Humidity	<90% RH	
Storage Temperature	-4°F to 95°F (-20°C to 35°C)	
Storage Humidity	25 to 85% RH	

## **CERTIFICATIONS** UL2580 (Cell) File Number: MH63797 UL2271 (Battery Pack) File Number: MH64262 CE (Battery Pack) IEC 62133 (Battery Pack) UN38.3 (Battery Pack)

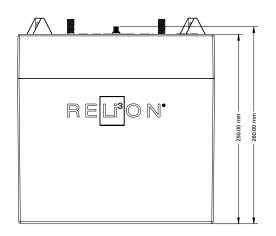
#### **SHIPPING CLASSIFICATION**

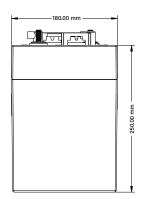
UN 3480, Class 9

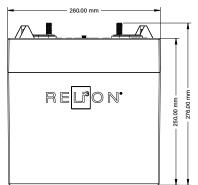
#### **APPLICATIONS**

Floor Machines Pallet Jacks **Aerial Work Platforms Utility Vehicles** 

# **COMPATIBLE ACCESSORIES** InSight Remote Button InSight Fuel Gauge (CANbus)









UN38.3 (€ (12)







