US 48V GC2 - Data Sheet



Lithium-Ion Battery 51.2 V | 30AH (1.5kWh)

CELL CHEMISTRY:

Lithium Iron Phosphate (LFP)

ABS + PC with Aluminium Heat Sink Dimensions:

10.24"w x 7.09"l x 11.04"h

BCI GROUP SIZE:

GC2

FEATURES

- **IP67 rated construction** prevents damage from outside particles and moisture.
- **CAN Networking** automotive grade connections allow manufacturers to integrate the battery with devices such as motor controllers and chargers to allow for communication of battery status.
- Scalable multiple batteries can be used in parallel for increased capac-
- **State-of-the-Art Battery Management** System (BMS) Utilizes intelligent algorithms to help ensure accurate State of Charge (SOC), delivers advanced cell balancing, and enhanced fault detection and handling for optimal performance.

BATTERY SPECIFICATIONS

		Terminal	Dimensions (mm)(±2mm)			Weight
Model	Terminal	Torque	Width	Length	Height	(kg)
48V GC2	M8 insert	90 IN-LBS	10.24" (260)	7.09" (180)	11.04" (280)	32.2 (14.6)
		48V GC2 M8 insert	ModelTerminalTorque48V GC2M8 insert90 IN-LBS	ModelTerminalTorqueWidth48V GC2M8 insert90 IN-LBS10.24" (260)	ModelTerminalTorqueWidthLength48V GC2M8 insert90 IN-LBS10.24" (260)7.09" (180)	Model Terminal Torque Width Length Height

Internal Protection information: See User's Guide www.usbattery.com/info-center/essentialliowner

ELECTRICAL SPECIFICATIONS						
Voltage	Capacity	Max Continous Discharge Current	Max 20S Discharge Current	Max 10S Discharge Current		
51.2 V	30 Ah	100A	150A	175A		
Max Charge Current	Self Discharge Rate	Low Voltage Cutoff	High Voltage Cutoff			
30A	3.5%/month (In Off Mode)	40V (Cell 2.5V)	58.4V (Cell 3.65V)			

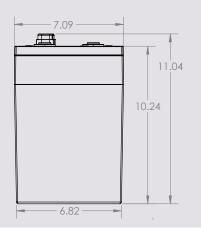
OPERATIONAL SPECIFICATIONS

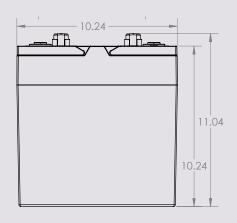
Discharging	Charging	Storage
4°F~140°F (-10°C~60°C)	32°F~122°F (0°C~50°C)	50°F~95°F (10°C~35°C)

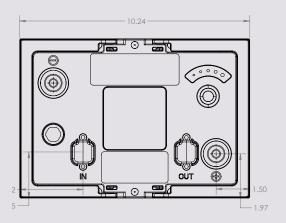
SAFETY/REGULATORY INFORMATION

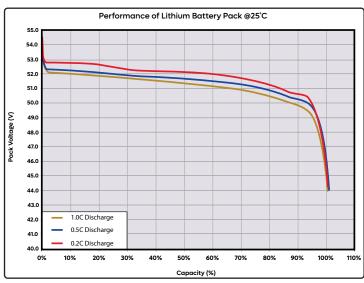
Certifications					
_	Shipping				
Transport	Classification	Cells	Pack		
UN/DoT 38.3	UN3480, Class 9	UL2580	UL2271		

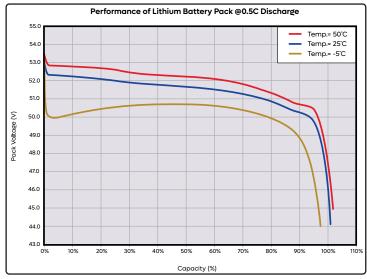


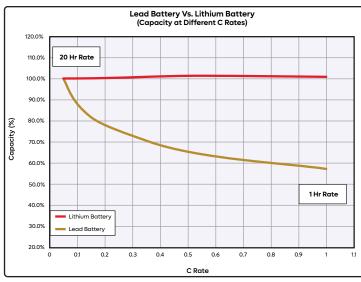


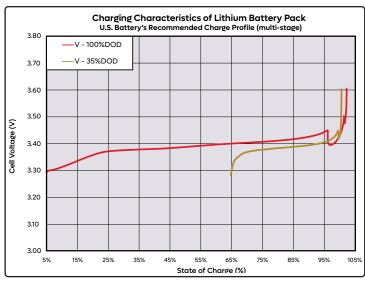














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