US 48V 105 - Data Sheet



POWERED BY U.S. BATTERY MEG. CO.



Lithium-Ion Battery 51.2 V | 105AH (5.38kWh)

CELL CHEMISTRY:

Lithium Iron Phosphate (LFP)

CASE

SECC Steel

Dimensions:

17.44"w x 12.60"l x 10.32"h

BCI GROUP SIZE:

N/A

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 capacity.
- 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.

BATTER	RY SPEC	IFICATI	ONS
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BCI Group			Terminal	Dimensions (mm)(±3mm)		Weight	
Size	Model	Terminal	Torque	Length	Width	Height	(kg)
N/A	US 48V105Ah	M8 insert	90 IN-LBS	17.44" (443)	12.60" (320)	10.32" (262)	92.6 (42)

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

ELECTRICAL SPECIFICATIONS

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Voltage	Capacity	Max Continous Discharge Current	Max 30S Discharge Current	Max 10S Discharge Current
51.2 V	105 Ah	150A	250A	300A
Max Charge Current	Self Discharge Rate	Low Voltage Cutoff	High Voltage Cutoff	
105A	3.5%/month (In Off Mode)	40V (Cell 2.5V)	58.4V (Cell 3.65V)	

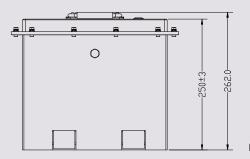
OPERATIONAL SPECIFICATIONS

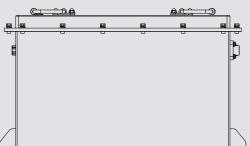
Discharging	Charging	Storage
14°F~140°F (-10°C~60°C)	32°F~122°F (0°C~50°C)	50°F~95°F (10°C~35°C)

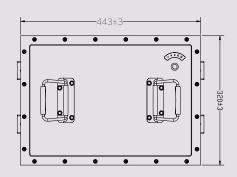
SAFETY/REGULATORY INFORMATION

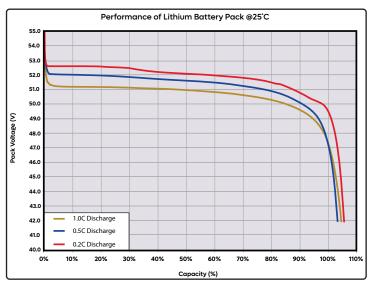
	Certifications	
	Shipping	
Transport	Classification	Cells
UN/DoT 38.3	UN3480, Class 9	UL2580

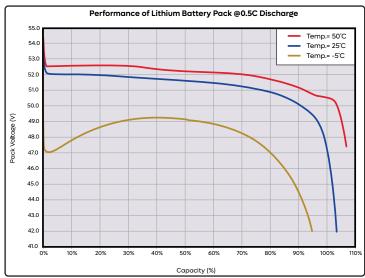


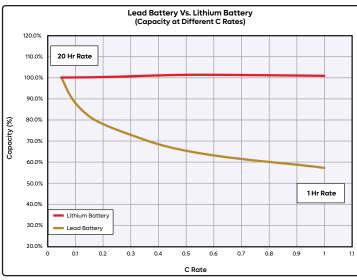


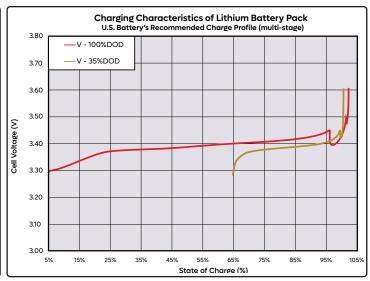














1675 Sampson Avenue Corona, CA 92879 (800) 695-0945 1895 Tobacco Road Augusta, GA 30906 (800) 522-0945 17 North Belair Rd. Evans, GA 30809 (888) 811-0945

