## US 48V 105 - Data Sheet ESSENTIALI POWERED BY U.S. BATTERY MFG. CO.

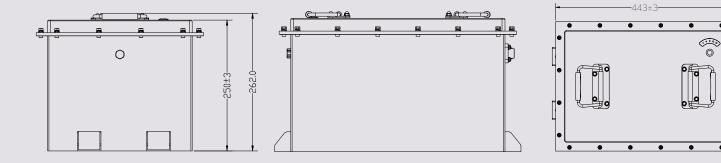
Lithium-Ion Battery **51.2 V | 105AH (5.38kWh)** CELL CHEMISTRY: Lithium Iron Phosphate (LFP) CASE: **SECC Steel** Dimensions: **17.44''w x 12.60''l x 10.32''h** BCI GROUP SIZE: **N/A** 

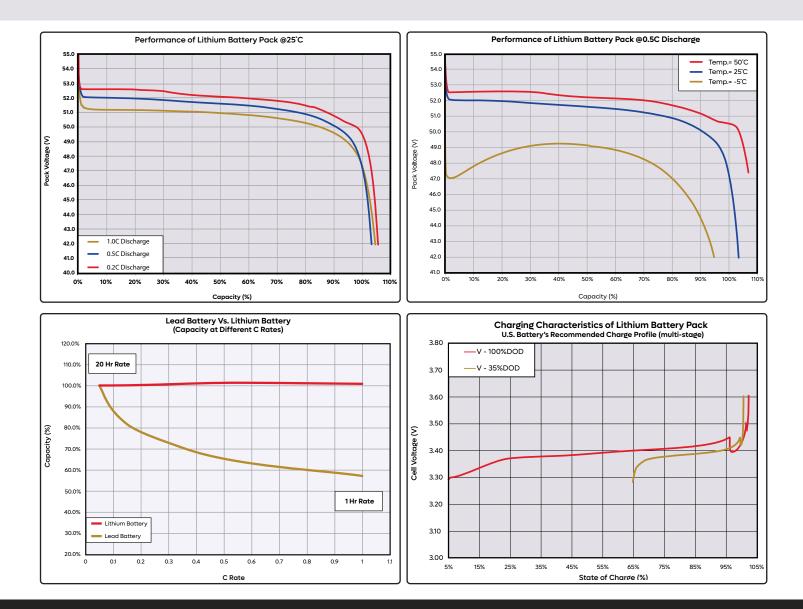
## FEATURES

- **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.

BATTERY SPECIFICATIONS									
BCI Group	Medal		Toursingel	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 OPERATIONAL SPECIFICATIONS									
		Max Continous Discharge	s Max 30S		Discharging	[ Char	ing Sto		orage
			e Discharge		-14°F~140°F (-10°C~60°C) 32°F~122°F (0°C~50°C) 50°F~95°F (10°C~35°C)				
Voltage	Capacity	Current		Current					
51.2 V	105 Ah	150A	250A	300A	SAFETY/REGULATORY INFORMATION				
Max	Self	Low	High		Certifications				
Charge Current	Discharge Rate	Voltage Cutoff	Voltage Cutoff		_	Shippir			
-	3.5%/month	40V	58.4V		Transport	Classifica	tion	(	Cells
105A	(In Off Mode)	(Cell 2.5V			UN/DoT 38.3	UN3480, C	lass 9	UL	2580









(800) 695-0945

(800) 522-0945

(888) 811-0945



 $\bigcirc$ 

320±3