## US 48V105 - Data Sheet ESSENTI/ POWERED BY U.S. BATTERY MFG. CO.

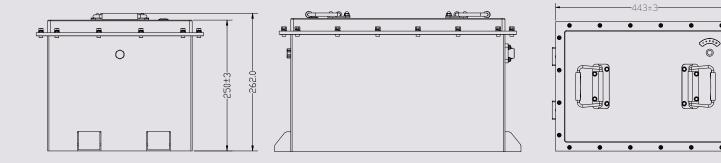
Lithium-Ion Battery **51.2 V | 105AH (5.38kWh)** CELL CHEMISTRY: Lithium Iron Phosphate (LFP) CASE: SECC Steel Dimensions: 17.44"w x 12.60"l x 10.32"h BCI GROUP SIZE: N/A

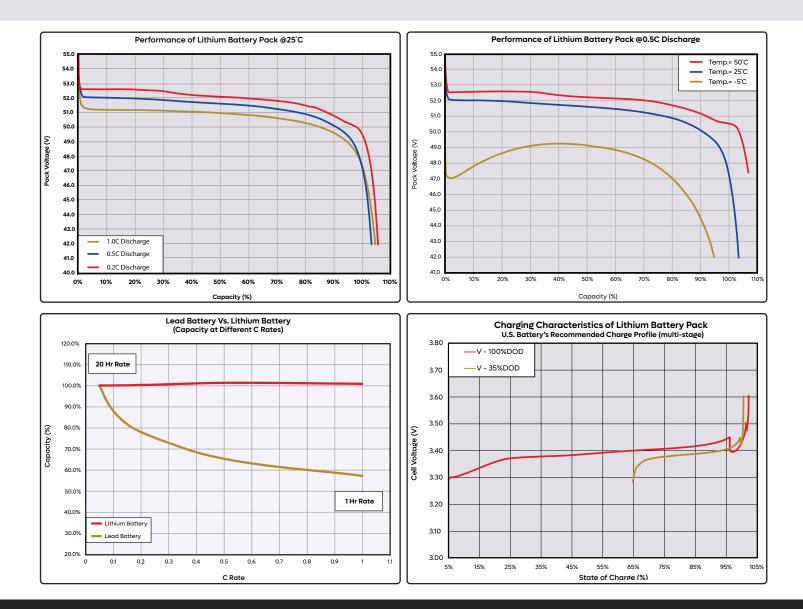
## FEATURES

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

BATTERY SPECIFICATIONS										
BCI Group				Terminal	Dimensions (mm)(±3mm)				Weight	
Size	Model		Terminal	Torque	Length	Width	Height		(kg)	
N/A	US 48	v105 M	18 insert	90 IN-LBS	5 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			Discharging	Char	Charging		Storage	
		Discharge			14°F~140°F (-10°C~6	)°C) 32°F~131°F (0°C~55°C) 50°F~95°			F (10°C~35°C)	
Voltage	Capacity	Current	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	ition	(	Cells	
105A	(In Off Mode)	(Cell 2.5V)	(Cell 3.65V)		UN/DoT 38.3	UN3480, C	Class 9	UL	2580	









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320±3