US 48V105 - Data Sheet

ESSENTI/



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

CELL CHEMISTRY:

Lithium Iron Phosphate (LFP)

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 allow for communication of battery status.
- prevents Scalable multiple batteries can be used
- State-of-the-Art Battery Management Utilizes intelligent (BMS) connections allow manufacturers to algorithms to help ensure accurate State integrate the battery with devices such of Charge (SOC), delivers advanced as motor controllers and chargers to 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 48V105	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 SPECIEICATIONS

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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	40V (Cell 2.5V)	58.4V (Cell 3.65V)		

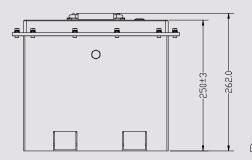
OPERATIONAL SPECIFICATIONS

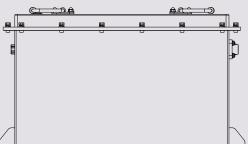
Discharging	Charging	Storage
14°F~140°F (-10°C~60°C)	32°F~131°F (0°C~55°C)	50°F~95°F (10°C~35°C)

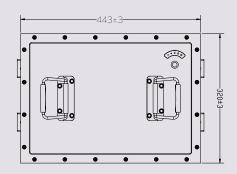
SAFETY/REGULATORY INFORMATION

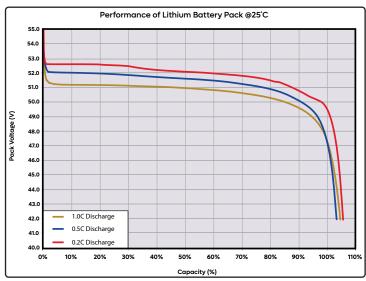
Certifications						
Transport	Shipping Classification	Cells	Pack			
Hansport	Glassification	CCIIS	1 dok			
UN/DoT 38.3	UN3480, Class 9	UL2580	UL2271			

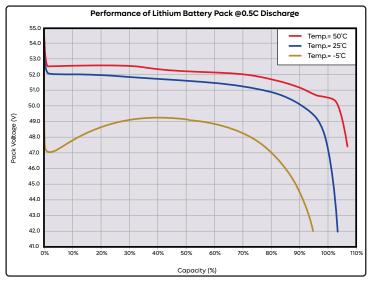


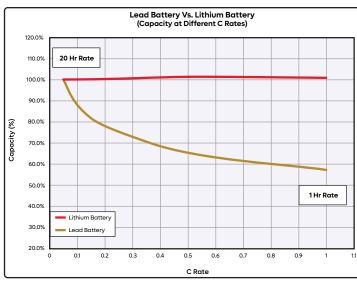


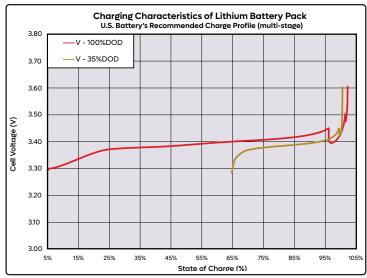














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