

DATA SHEET 51.2V 105AH SKINNY

GENERAL		
Nominal Voltage	51.2V	
Working Voltage	43.2V - 58.4V	
Recommended Voltage	48.0V - 57.0V	
Cell Count	16	
Nominal Capacity	105Ah	
Energy	5,376Wh	
Reserve @25A	252 Minutes	
Self Discharge	1% Per Month	
IP Rating	IP67	

CHARGING		
Recom. Charging Current	<52A	
Max Charging Current	105A	
Bulk/Absorb Voltage	57.0V	
Float Voltage	54.0V or Off	
BMS High Voltage Cutoff	59.2V	
Charging Temp. Range	32F to 130F	

DISCHARGING	
Max Continuous Discharge	175A
Max Discharge 3 Sec	500A
Max Discharge 30 Sec	300A
Recom. Voltage Cutoff	48.0V
BMS Voltage Cutoff	43.2V
BMS Voltage Recovery	46.4V
Discharge Temp Range	-10F to 140F

COMMUNICATION	
Bluetooth	Yes
CAN	Yes



SAFETY	
Charging Freeze Protection	Yes, Under 32F
Pack Over-Voltage	Yes
Cell Balancing	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circut/Over Current	Yes
Certifications	UN38.3, UL1642 Cell

PHYSICAL		
Cell Chemistry	Lithium Iron Phosphate	
Cell Type	Prismatic	
Cell Configuration	1P16S	
Series Connectable	No	
Parallel Connectable	Yes, up to 2	
Weight	102.2 lbs (46.3Kg)	
Dimension LxWxH	22"X9.75"X10.43"	
Terminal Type	M8 Female	
Shell Type	Powder Coated Steel	
UN Shipping Class	UN 3480	

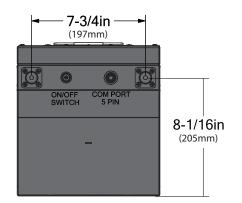


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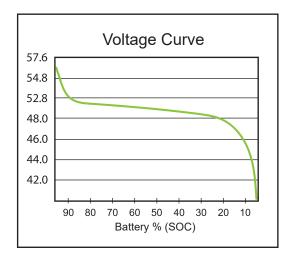
DIMENSIONS

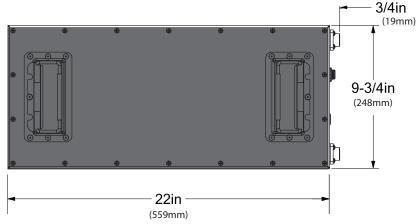


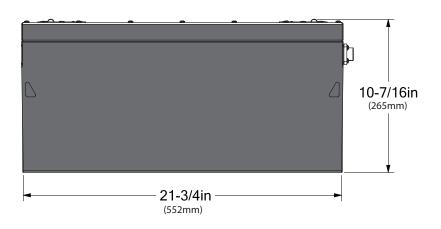


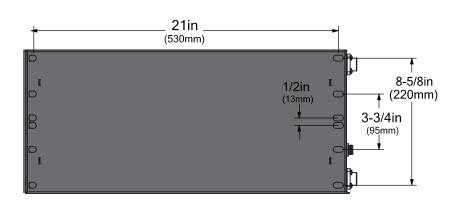
Torque Specs

M8 Terminal Bolts - 6ft/lbs (72 in/lbs)











READ BEFORE INSTALL!



HEAVY TEAM LIFT REQUIRED



HIGH VOLTAGE HANDLE WITH CARE



DO NOT PRESSURE WASH OR SUBMERGE



CHARGE BATTERY BEFORE USE

WARNINGS

USE & CARE

- High Voltage. DO NOT install or service this battery unless you are properly trained.
- Use only with components that have the same voltage and current rating as the battery.
- DO NOT touch or connect to the terminals unless the battery is manually turned off.
- DO NOT open or attempt to service the battery, there are no user serviceable parts inside.

- Charge the battery every night to ensure it is always fully charged and ready to use.
- Batteries will not charge if the internal battery temperature falls below 34F.
- DO NOT pressure wash, submerge, or use chemical agents to clean your battery.
- Clean the battery using a damp cloth that does not include chemical agents.



For additional product info, user manuals, user guides, and warranty information, please visit https://ecobattery.com/quickstart or scan the QR code.