

# DATA SHEET

## 51.2V 105AH THRU HOLE



### GENERAL

Nominal Voltage	51.2V
Working Voltage	43.2V - 58.4V
Recommended Voltage	48.0V - 57.0V
Cells	16
Nominal Capacity	105Ah
Energy	5,376Wh
Reserve @25A	252 Minutes
Self Discharge	1% Per Month
IP Rating	IP65

### 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	34F to 130F

### PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Prismatic
Cell Configuration	1P16S
Series Connectable	No
Parallel Connectable	Yes, up to 2
Weight	94 lbs (42.6Kg)
Dimension LxWxH	13.14"X12.24"X10.15"
Terminal Type	M8 Female
Shell Type	Powder Coated Steel
UN Shipping Class	UN 3480

### SAFETY

Charging Freeze Protection	Yes, Under 34F
Pack Over-Voltage	Yes
Cell Balancing	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circuit/Over Current	Yes
Certifications	UN38.3, UL1642 Cell

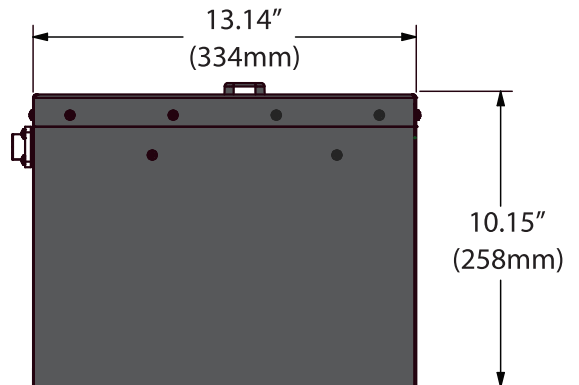
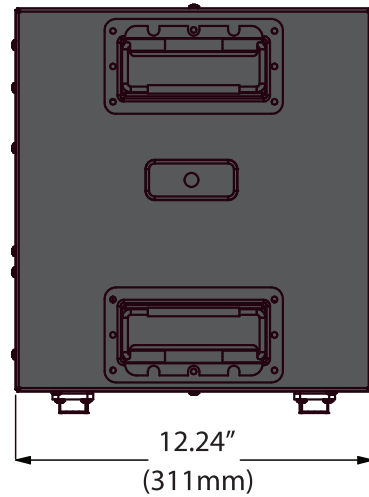
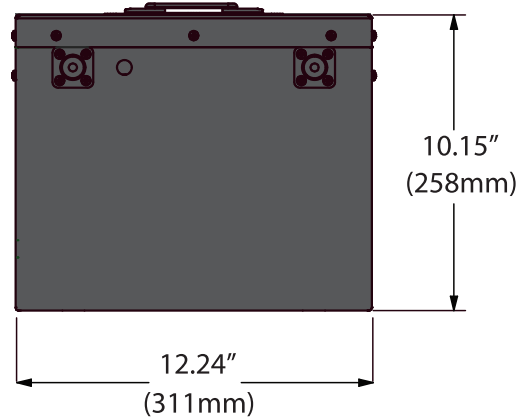
### DISCHARGING

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

**DIMENSIONS**



**Torque Specs**

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

3/8 - 14 Top Mount Nut  
10ft/lbs (120 in/lbs)

