



# HORNET ENERGY USA

51.2V 105Ah LiFePO<sub>4</sub> Battery —

**⚡ 5.3 kWh Capacity**



**BUILT TO STRIKE, ENGINEERED TO LAST**

## 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	IP66

## DISCHARGING

Max Continuous Discharge	300A
Max Discharge 3 Sec	600A
Max Discharge 35 Sec	500A
Recom. Voltage Cutoff	48.0V
BMS Voltage Recovery	46.4V
Discharge Temp Range	-4F to 140F

## CHARGING

Auto Charger Wake-up	YES
Max Continious Charge	<52A
Max Charge 3 Seconds	105A
Bulk/Absorb Voltage	57.0V
Float Voltage	54.0V or Off
BMS High Voltage Cutoff	57.6V
Charging Temp. Range	32F to 130F
B-Port	Dedicated charging reserve port

## COMMUNICATION

Bluetooth	Yes
CAN Mobile	Yes
App/PC	Yes
Software Updates	Over-the-air
GPS	Optional
External Power Source	Yes

## SAFETY

Fire Supression	Yes
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, IEC62133 UL2580 Cell
Charging Freeze Protection	Yes, Under 32F

## PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	LiFePO <sub>4</sub>
Cell Configuration	1P16S
Series Connectable	No
Parallel Connectable	Yes, up to 6
Weight	100.8 lbs (45Kg)
Dimension LxWxH	14.17"X12"X10.15"
Terminal Type	M8 Female
Shell Type	Powder Coated Steel
UN Shipping Class	UN 3480