



48V 105Ah

Voltage: 51.2V | Capacity: 105Ah | Energy: 5376W

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	105Ah
Bluetooth Enabled	Yes
Capacity @ 20A	315 min
Efficiency	99%
Self Discharge	1-3% per month
Maximum Modules in Parallel	4

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	18" x 11.8" x 9.6"
Weight	108 lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP67
Cell Type - Chemistry	Prismatic LiFePO4

DISCHARGE SPECIFICATIONS

Max Continuous Current	180A
Peak Discharge Current	350A (10s)
Peak Instantaneous Current	600A±50A (3s)
Low Voltage Disconnect	40V
BMS Discharge Voltage Cut-Off	40.0V (2.5±0.05 vpc)
Reconnect Voltage	44.8V (2.8±0.1 vpc)
Short Circuit Protection	200-400ms

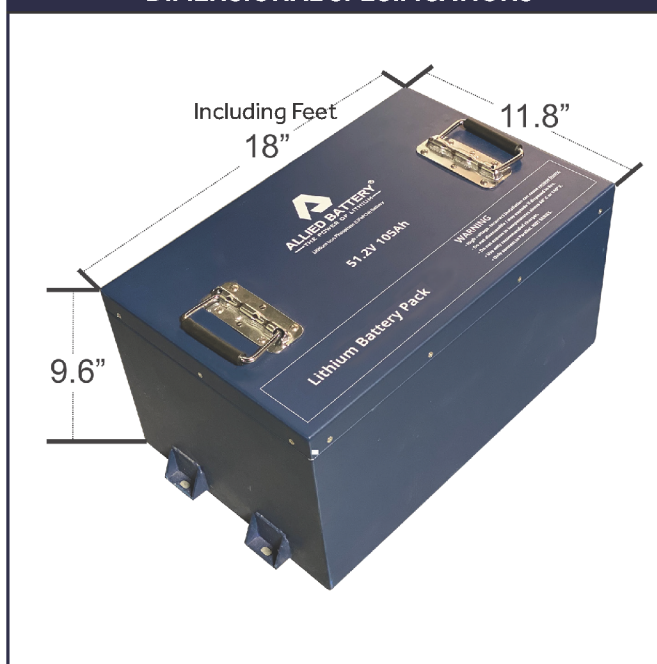
BLUETOOTH FEATURES

Remaining AH and Voltage
Remaining Discharge Time
Remaining Charge Time
Current Amp Draw
Current Cell Temperature
Voltage of Individual Cells
Lifetime Power Cycles
Turn Charger On / Off
Turn Battery Pack On / Off
Safety Protection Dashboard

CHARGE SPECIFICATIONS

Recommended Charge Current	15A - 50A
Discharge Temperature	-4° to 140°F
Charge Temperature*	32° to 131°F
Recommended Charge Voltage	40V - 59.2V
BMS Charge Voltage Cut-Off	60V (3.75±0.01vpc)
Reconnect Voltage	56V (3.5±0.01vpc)

DIMENSIONAL SPECIFICATIONS



SAFETY SPECIFICATIONS

ALL VISIBLE ON THE ALLIED BATTERY BLUETOOTH APP	
Short Circuit	Yes
Low / High Temperature Discharging	Yes
Low / High Temperature Charging	Yes
Over-Current Discharging	Yes
Over-Current Charging	Yes
Pack Under / Over Voltage	Yes
Certifications	UL1642 IEC62619 (Cells) CE UN38.3 (Battery)
Shipping Classification	UN 3480 Class 9