



ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	210Ah
Bluetooth Enabled	Yes
Capacity @ 20A	630 min
Efficiency	99%
Self Discharge	1-3% per month
Maximum Modules in Parallel	2

DISCHARGE SPECIFICATIONS

Max Continuous Current	180A
Peak Discharge Current	500A (12.5s)
Peak Instantaneous Current	1000A (<1500ms)
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	250-500ms

CHARGE SPECIFICATIONS

Recommended Charge Current	15A - 50A
Discharge Temperature	15° to 140°F
Temperature Protection Release	Low: 23°F High: 122°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)

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

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	20.94" x 20.19" x 10.19"
Weight	203lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP67
Cell Type - Chemistry	Prismatic LiFePO4

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

KEY FEATURES

2 Amp Internal Balancer (80 times faster)
BMS languages - CANbus & RS485
Sleep Mode
Fire Arrestor
Thick Steel Casing

DIMENSIONAL SPECIFICATIONS

