



**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)	18.3" x 10.5" 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**

Voltage (overall and individual cell voltages)
Remaining Discharge Time
Remaining Charge Time
Current Amp Draw
Current Cell Temperature
Voltage of Individual Cells
Lifetime Power Cycles

**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)

**KEY FEATURES**

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

**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

**DIMENSIONAL SPECIFICATIONS**

