



36V 105Ah

Voltage: 38.4V | Capacity: 105Ah | Energy: 4032Wh

ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4V
Nominal Capacity	105Ah
Bluetooth Enabled	Yes
Capacity @ 20A	315 min
Efficiency	99%
Self Discharge	1-3% per month
Maximum Modules in Parallel	2

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	17.5" x 10.75" x 9"
Weight	86 lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP67
Cell Type - Chemistry	Prismatic LiFePO4

DISCHARGE SPECIFICATIONS

Max Continuous Current	150A
Peak Discharge Current	300A (<3s)
Peak Instantaneous Current	600A±50A (<800ms)
Low Voltage Disconnect	30V
BMS Discharge Voltage Cut-Off	30.0V (2.5±0.05 vpc)
Reconnect Voltage	33.6V (2.8±0.1 vpc)
Short Circuit Protection	200-400ms

BLUETOOTH FEATURES

Voltage
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	30V - 44.4V
BMS Charge Voltage Cut-Off	45V (3.75±0.01vpc)
Reconnect Voltage	42V (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

