



**48V 65Ah**

**Voltage: 51.2V | Capacity: 65Ah | Energy: 3120W**

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	51.2V
Nominal Capacity	65Ah
Bluetooth Enabled	Yes
Capacity @ 20A	195 min
Efficiency	99%
Self Discharge	1-3% per month
Maximum Modules in Parallel	4

MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	18" x 9.6" x 8.5"
Weight	71 lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP67
Cell Type - Chemistry	Prismatic LiFePO4

DISCHARGE SPECIFICATIONS	
Max Continuous Current	125A
Peak Discharge Current	250A (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	
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 - 30A
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

