



**48V 30Ah**

**Voltage: 51.2V | Capacity: 30Ah | Energy: 1440W**

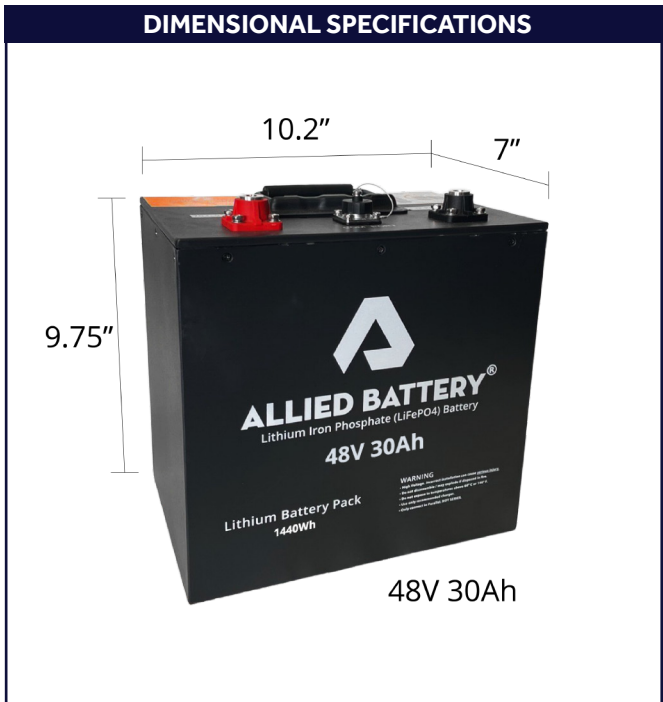
ELECTRICAL SPECIFICATIONS	
Nominal Voltage	51.2V
Nominal Capacity	30Ah
Bluetooth Enabled	Yes
Capacity @ 25A	72 min
Efficiency	99%
Self Discharge	3-5% per month
Maximum Modules in Parallel	6-8

MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	10.2" x 7" x 9.75"
Weight	38 lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP67
Cell Type - Chemistry	Cylindrical - LiFePO4

DISCHARGE SPECIFICATIONS	
Max Continuous Current	30A
Peak Discharge Current	60A (10s)
BMS Discharge Current Cut-Off	≤ 105A±2A; ≤ 1S
Low Voltage Disconnect	40V (2.5V)
BMS Discharge Voltage Cut-Off	32V (2.0±0.08 vpc)
Reconnect Voltage	36.8V (2.3±0.1 vpc)
Short Circuit Protection	200-500ms

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	
Safety Protection Dashboard	

CHARGE SPECIFICATIONS	
Recommended Charge Current	7.5A - 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	62.4V (3.9±0.05vpc)
Reconnect Voltage	61.6V (3.55±0.05vpc)



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   IEC62633 (Cells) CE   UN38.3 (Battery)
Shipping Classification	UN 3480   Class 9