



# 51v 105ah LifePO4

## LITHIUM BATTERY

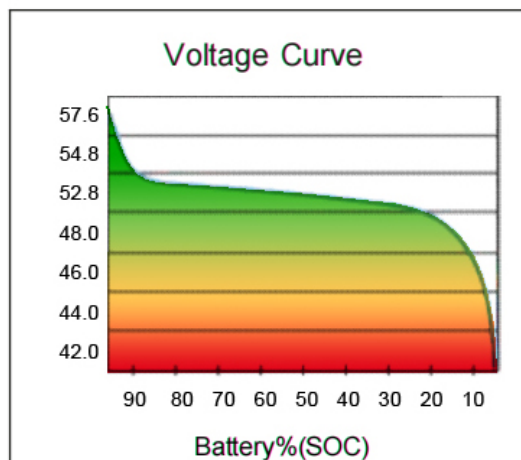
with Aluminum Case

### 48V 105Ah Lithium (LiFePo4) Golf Cart Battery Data Sheet

General	
Nominal Voltage	51.2V
Working Voltage	43.2-58.4V
Recommended Voltage	48.0V – 57.0V
Nominal Capacity	105Ah
Energy	5376Wh
Reserve @30A	210 minutes
Self Discharge	1% Per Month



Discharging	
Max Continuous Discharge	250A
Max Discharge 3 Seconds	400A
Max Discharge 30 Seconds	315A
Recom. Voltage Cutoff	43.2V
BMS Voltage Cutoff	43.2V
BMS Voltage Recovery	44.0V
Discharge Temp Range	-13F to 149F



Charging	
Recom. Charging Current	<50A
Max Charging Current	105A
Bulk/Absorb Voltage	57.0V
Float Voltage	No
Equalization	Passive
BMS High Voltage Cut off	60.0V
Charging Temp. Range	14F to 131F

Safety	
Charging Freeze Protection	Yes
Pack Over-Voltage	Yes
Cell Over-Voltage	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circuit / Over Current	Yes
Certifications	UN38.3, UL1642 2271
IP Rating	IP67

Physical	
Cell Chemistry	Lithium Iron Phosphate
Cell Type	Rectangular
Cell Configuration	1P16S
Series Connectable	No
<b>Parallel Connectable</b>	<b>Yes, up to 2</b>
Weight	106lbs (48kg)
Dimensions L*W*H	19.26" x 12.96" x 9.63"
Terminal Type	M8 Female
Shell Type	Aluminium
UN Shipping Class	UN 3481

Communication	
Bluetooth	Yes
CAN	Yes

Note: If over current or short circuit protection is triggered, battery terminals may need to be temporarily disconnected to reset the BMS. BMS will protect battery and equipment from catastrophic failure, but if the short circuit is severe, the BMS may be permanently damaged.

