

Lithium-ion(LiFePO4) Golf Cart Power Battery
48V - 100Ah / 150Ah / 200Ah

KEY FEATURES

Nominal Voltage: 51.2V
Capacity: 100Ah, 150Ah, 200Ah, Customizable
Dimensions: Standard or Customizable
IP Grade: IP65
Cell Chemistry: Lithium Iron Phosphate (LiFePO4)
Monitoring: LCD Screen, Bluetooth
Lifespan: >3500 cycles @80% DoD, 25°C(77°F), 0.5C



Specifications

Model	QF48-100		QF48-150	QF48-200
Electrical				
Nominal Voltage	51.2 V			
Operation Voltage	40 – 58.4 V			
Rated Capacity	100 Ah	150 Ah	200 Ah	
Rated Energy	5.12 kWh	7.68 kWh	10.24 kWh	
Estimated Range Per 100% SOC	40-50 miles (64-80 km)	60-70 miles (97-113 km)	80-100 miles (128-160 km)	
Suggested DoD	< 90%			
Max DoD	100%			
Self-Discharge	< 3% per Month			
Cells Type	LiFePO4 Prismatic			
Cell Model	3.2 V 100 Ah	3.2 V 150 Ah	3.2 V 200 Ah	
Cells Configuration	16S1P	16S1P	16S1P	
Balancing	600 mA, Active Balancing			
Charge				
Charge Voltage	57.6 V			
BMS Charge Voltage Cut-Off	57.6 V			
Recommended Charge Current	< 50 A	< 75 A	< 100 A	
Max. Continuous Charge Current	100 A	100 A	100 A	
Charge Temperature	0 – 55 °C (32 – 131 °F)			
Discharge				
Max. Continuous Discharge Current	100 A	150 A	200 A	
Peak Discharge Current	200 A @ 10S	300 A @ 10S	350 A @ 10S	
Recommended Low Voltage Cut-Off	46.4 V			
BMS Discharge Voltage Cut-Off	40 V			
Discharge Temperature	-20 – 60 °C (-4 – 140 °F)			
Mechanical				
Dimensions	560 * 330 * 248 mm (22.05 * 12.99 * 9.76 inch)	800 * 357 * 220 mm (31.50 * 13.94 * 8.66 inch)	800 * 395 * 277 mm (31.50 * 15.55 * 1.91 inch)	
Weight	48 kg (105.82 lbs)	68 kg (149.91 lbs)	94 kg (207.24 lbs)	
Terminal Type	M8			
Case Material	Powder Coated Steel			
Enclosure Protection	IP65			
Communication				
LCD Screen	Yes	Yes	Yes	
Bluetooth	Yes	Yes	Yes	
CAN	Yes	Yes	Yes	
Safety And Warranty				
Protection Function	Overcharge, Over-discharge, Over current, Short Circuit, Over Temperature, Under Temperature			
Storage	0 – 40 °C (32 – 104 °F), < RH 80%, > 60% SOC			
Warranty	5 Years			
Lifespan	10 years or 3500 Cycles @ 25°C, 80% EOL			
Certificates	CE, RoHS, UN38.3, IEC, MSDS			

1. All specifications shown above are subject to change during products improving at any time without prior notice.
2. For other batteries not listed above, customization is also available.