



RBGT-19 (Full 6-Year warranty) Golf Trolley Battery

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8 V
Nominal Capacity	19 Ah
Energy	243.2 Wh
Resistance	60 mΩ
Efficiency	99%
Self Discharge	<3% per Month

DISCHARGE SPECIFICATIONS	
Standard Discharge Current	16 A
Maximum Continuous Discharge Current	25 A
PCM Discharge Current Cut-Off	150 A (±20 A)
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	8 V
Reconnect Voltage	>8 V
Short Circuit Protection	200-500 µs

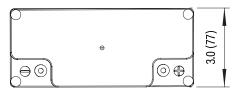
TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 113 °F (0 to 45 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	149 °F (65 °C)

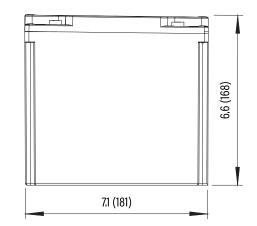
MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	7.1 x 3.0 x 6.6" 181 x 77 x 168 mm
Weight	6.0 lbs (2.7 kg)
Terminal Type	Anderson Connector
Cell Type	Cylindrical
Chemistry	LiFeP0 ₄
CHARGE SPECIFICATIONS	
Recommended Charge Current	≤8 A
Maximum Charge Current	≤8 A
PCM Charge Current Cut-Off	150 A (±20 A)
Recommended Charge Voltage	14.4 V
PCM Charge Voltage Cut-Off	15.2 V
Reconnect Voltage	14.4 V
Balancing Voltage	14.4 V

COMPLIANCE SPECIFICATIONS

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

DIMENSIONAL SPECIFICATIONS





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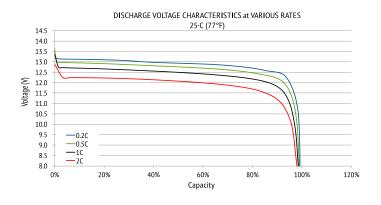


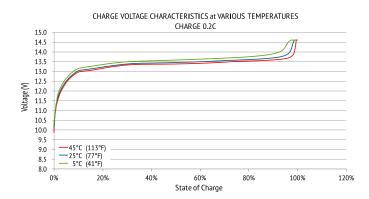
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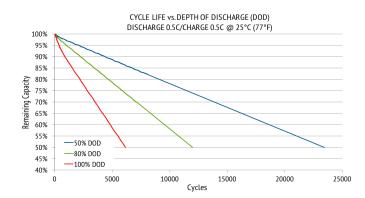
Golf Trolley Battery

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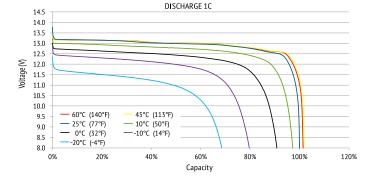
PERFORMANCE CHARACTERISTICS





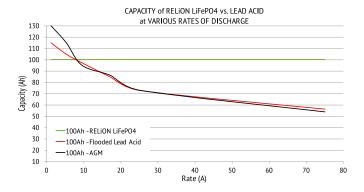






DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS TEMPERATURES

CHARGE VOLTAGE and STATE OF CHARGE (SOC) CHARGE 0.2C @ 25°C (77°F) 15.0 140% 130% 14.5 14.0 120% 13.5 110% 13.0 100% 12.5 90% SOC Voltage (V) 12.0 80% 11.5 70% 11.0 60% 105 50% 10.0 40% 9.5 30% 9.0 20% -Voltage 8.5 -State of Charge 10% 8.0 0% 0 50 100 150 200 250 300 350 Time (Minutes)





RBGT19DS08.02.2017