



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

### LITHIUM IRON PHOSPHATE BATTERY

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

| <b>DISCHARGE</b> 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    |
|                                      |               |

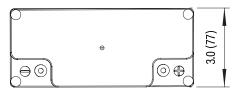
| <b>TEMPERATURE</b> SPECIFICATIONS |                             |
|-----------------------------------|-----------------------------|
| Discharge Temperature             | -4 to 140 °F (-20 to 60 °C) |
| Charge Temperature                | 32 to 113 °F (0 to 45 °C)   |
| Storage Temperature       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

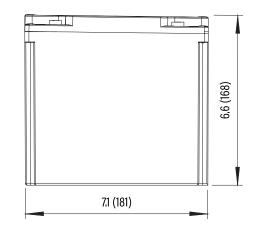
| MECHANICAL SPECIFICATIONS    |                                       |
|------------------------------|---------------------------------------|
| Dimensions (L x W x H)       | 7.1 x 3.0 x 6.6"<br>181 x 77 x 168 mm |
| Weight                       | 6.0 lbs (2.7 kg)                      |
| Terminal Type                | Anderson Connector                    |
| Cell Type                    | Cylindrical                           |
| Chemistry                    | LiFeP0 <sub>4</sub>                   |
|                              |                                       |
| <b>CHARGE</b> 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)<br>UN38.3 (battery)<br>UL1642 & IEC62133 (cells) |
|-------------------------|---|
| Shipping Classification | UN 3480, CLASS 9  |
|                         |   |

#### **DIMENSIONAL SPECIFICATIONS**





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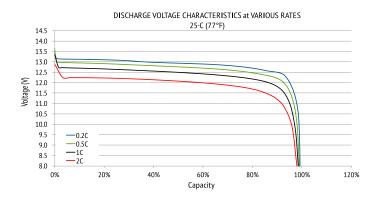


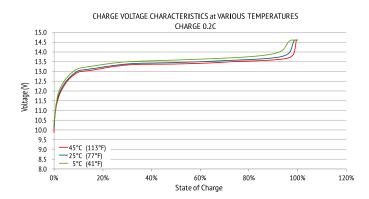
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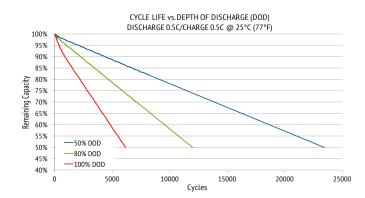
# Golf Trolley Battery

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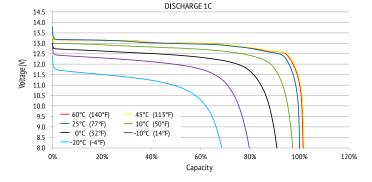
#### **PERFORMANCE** CHARACTERISTICS





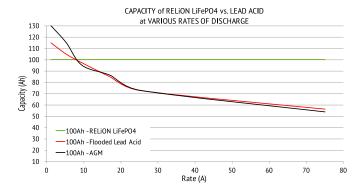






DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS TEMPERATURES

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