Lithium Ion Deep Cycle Battery

**ELECTRICAL SPECIFICATIONS**
- Nominal Voltage: 12.8 V
- Nominal Capacity: 50 Ah
- Capacity @ 25A: 120 min
- Energy: 640 Wh
- Resistance: ≤50 mΩ @50% SOC
- Efficiency: 99%
- Self Discharge: <3% per Month

**DISCHARGE SPECIFICATIONS**
- Maximum Continuous Discharge Current: 50 A
- Peak Discharge Current: 170A (3s)
- BMS Discharge Current Cut-Off: 170A (3s)
- Recommended Low Voltage Cut-Off: 11 V
- BMS Discharge Voltage Cut-Off: 8 V
- Reconnect Voltage: 9.2 V
- Short Circuit Protection: 200-600 µs

**TEMPERATURE SPECIFICATIONS**
- Discharge Temperature: -4 to 140°F (-20 to 60°C)
- Charge Temperature: -4 to 113°F (-20 to 45°C)
- Storage Temperature: 23 to 95°F (-5 to 35°C)
- BMS High Temperature Cut-Off: 149°F (65°C)
- Reconnect Temperature: 122°F (50°C)

**MECHANICAL SPECIFICATIONS**
- Dimensions (L x W x H): 7.7 x 7 x 6.5"
- Weight: 14.3 lbs (6.49 kg)
- Terminal Type: M6
- Terminal Voltage: 80 - 100 in-lbs (9 - 11 N-m)
- Case Material: ABS
- Enclosure Protection: IP56
- Cell Type - Chemistry: Primsmatic-LiFePO4

**CHARGE SPECIFICATIONS**
- Recommended Charge Current: 25 A
- Maximum Charge Current: 50 A
- Recommended Charge Voltage: 14.2 V - 14.6 V
- BMS Charge Voltage Cut-Off: 15.2 V
- Reconnect Voltage: 14.4 V

**COMPLIANCE SPECIFICATIONS**
- CE (battery)
- UN38.3 (battery)
- UL1642 & IEC62133 (cells)
- BCI Group Size: 25

**Feature**
- BlueTooth APP

Monitor your battery's vitals straight from your smartphone.