



VERTICAL PARTNERS WEST, LLC

4-Cell 650mAh 4.8V PTC Cube NiMH

4.8V 650mAh

Model: 551103 | Date: 7.1.2019



Battery Features

- High capacity NiMH Metal Hydride Battery
- Integrated PTC Protection Circuit
- Low self discharge rate and low maintenance
- Available in a wide range of sizes and capacities

The Vertical Partners West Advantage

Our long history of designing battery and charging systems makes VPW your ideal power management partner for OEM projects. We are a U.S. based supplier with multiple highly vetted mass manufacturing partner facilities in Asia. Working closely with your design team, VPW delivers just the right solution designed to fit your application and budget.

Let our experience with advanced chemistries, sophisticated battery charging & management systems and our expertise with complex assemblies power your project. Leverage our vast buying power, door-to-door import ease and low minimum order quantities for your next premium battery or charger project.

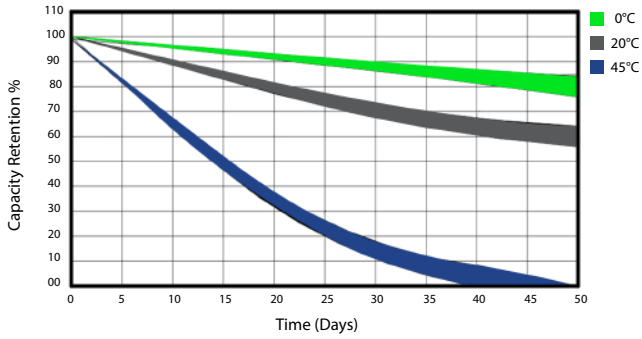
| Performance Characteristics | Typical |
|-----------------------------|-----------|
| Capacity | 650mAh |
| Voltage (Nominal) | 4.8V |
| Discharge Energy | 3.1Wh |
| Weight | 58g |
| Specific Energy | 53.4Wh/kg |
| Max Cont. Discharge Current | 1.8A |
| DC Resistance | ≤200 mΩ |

| Cycle Life | Typical |
|------------------------------|-------------|
| 100% DOD Cycles @ 20°C ± 5°C | ≥500 cycles |

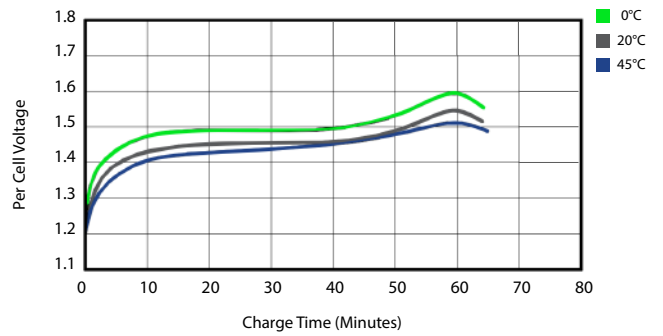
| Operational Range | Typical |
|-----------------------------|--------------|
| Upper Voltage Limit | 6V |
| Lower Voltage Limit | 4V |
| PTC Trip Current | 3.8A |
| Charge Temperature Range | 0°C ~ 45°C |
| Discharge Temperature Range | -20°C ~ 50°C |

Battery Characteristics

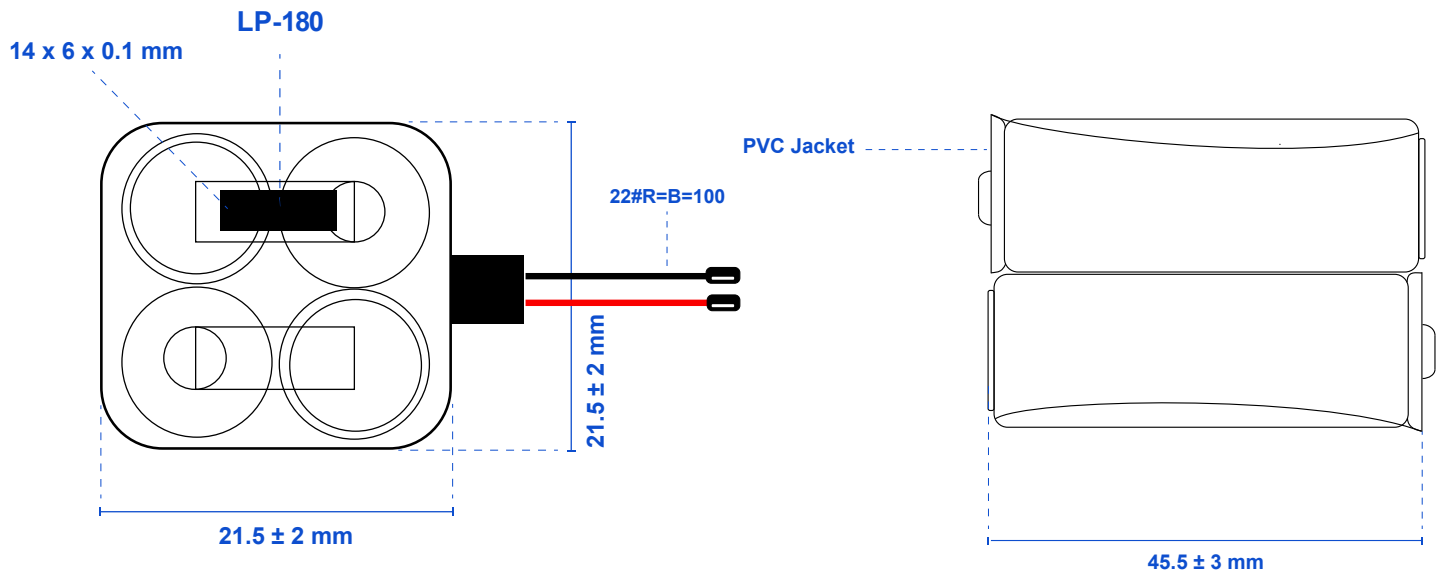
Charge Retention Curve - Storage



Rapid Charge Curve - Voltage/Minutes



Mechanical Characteristics



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