SOLID MASTER

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**3.6V/28Ah Solid-state Battery Pouch Cell**
**Model: SM_BC_3.6V28Ah**

This 3.6V/28Ah solid state battery pouch cell offers up to 7C discharge rate, perfect for providing power to compact, high-powered devices. Its advanced solid-state design ensures superior safety compared to standard lithium-ion batteries, while its high energy density allows for optimal performance, light weight and space-saving capabilities.




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|---|---|
| Battery Type | Solid State Lithium-ion |
| Battery Case | Aluminum Polymer Pouch |
| Nominal Voltage | 3.6V |
| Capacity | 28Ah |
| Energy Stored | ~101Wh |
| Energy Density | ~320Wh/kg |
| Weight | 0.70lbs. (316g ± 5g) |
| Dimensions (L x W x H) | 6.9" x 3.0" x 0.42" (± 0.02")/174mm x 75mm x10.6mm |
| Discharge / Charge Connector | Tab |
| Operating Voltage | 2.6V - 4.2V |
| Standard Discharge | 1C |
| Max Constant Discharge | 5C |
| Peak Discharge | 7C (30 seconds) |
| Standard Charging | 0.5C @ 14A |
| Rapid/Max Charging | 1.0C @ 28A |
| Cycle Life | ~150 @ 7C discharge<br>~500 @ 3C discharge<br>~1000 @ 0.5C discharge |
| Operating Temperatures | -20°C to 55°C (minimum -40°C |
| Storage Humidity | 60±25%R.H |