POWER-XTRA

Ni-Mh

# Ni-MH 5/4AAAA500mAh 2.4V – 2S1P

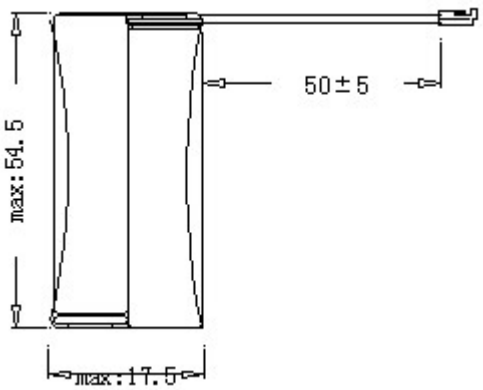
Stock Code
900.869.503.285

## SPECIFICATIONS OF SINGLE CELL

Type Nickel-Metal Hydride Battery

Model Ni-MH 5/4AAAA500mAh 2.4V

## TECHNICAL INFORMATIONS

| Item | Specifications | Conditions |
|---|---|---|
| Nominal Voltage (V) | | 2.4V |
| Nominal capacity (mAh) | | 500 mAh |
| Discharge Cut-off Voltage | | 1.0V |
| Standard Charge | Charge at 0.1C for 16 hours | 0℃ to 45℃ |
| Fast Charge | Charge at 0.2C for 5.25 hours | 10℃ to 40℃ |
| Discharge | standard charge, 30min rest before discharge at 0.2C to 2.0V | ≥300% |
| Self-Discharge | Standard charge, storage for 1 year, standard discharge at 20℃ | ≥375(75%) |
| | Standard charge, storage for 7 days, standard discharge | ≥325(65%) |
| Hight Rate Discharge | Standard charge 1hour rest Before Discharge by 1C to 1.0V | ≥58minutes |
| Charge Retention | Standard charge storage:12moths | Capacity retention ≥60% after 500cycle |
| Leakage Test | Standard charge stand for 14days | No leakage |
| High temperature test | Store at 40℃、50℃、60℃ for 2 hours then charge/discharge | |
| Low temperature test | Store at 0℃ for 2 hours then charge/discharge | |
| Short circuit test | Short circuit after fully charge | |
| Drop test | Free fall on the concrete from 1 meters after fully charged | |
| Cycles Test | ≥500 | IEC61951-2:2003 |

## Technical Drawing