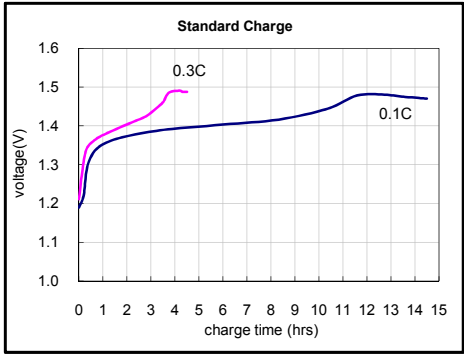
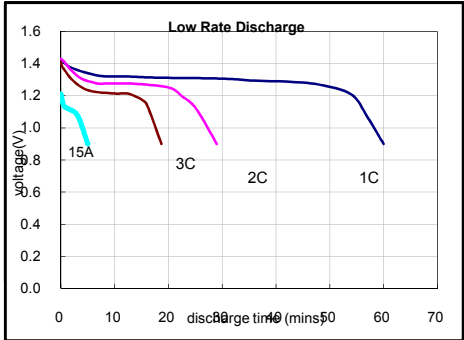
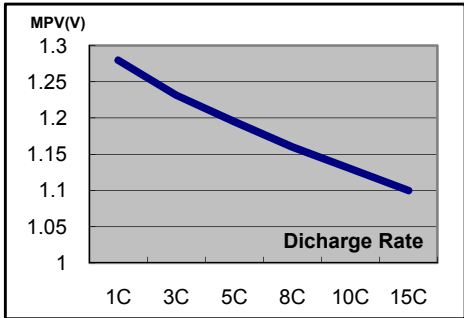

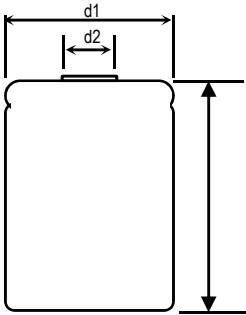


|   |   |   |  |   |
|---|---|---|--|---|
| <b>nominal voltage</b>  | 1.2 V   | conditions  |  |   |
| <b>max. charge voltage</b>  | 1.5 V   | at standard charge<br>(0.1C/20°C)   |  |    |
| <b>capacity</b>   |   | discharge at 0.2C   |  |   |
| nominal   | 1600mAh   | discharge at 25A  |  |   |
| minimal   | >1300 mAh   | discharge at 15A  |  |   |
| typical   | 1400mAh   | 0.8V end discharge voltage by 15A   |  |   |
| <b>max. discharge current</b>   | 25A   | ambient temperature 20°C  |  |   |
| <b>Average Voltage charge</b>   | >=1.20V   | ambient temperature 20...50°C   |  |   |
| standard charge   | 160 mA  | discharge at 15A  |  |   |
| quick charge  | 800 mA  | charge time 15hrs at 20°C   |  |   |
| Fast charge   | 1600mA  | charge time 2.2hrs for empty battery  |  |   |
| recommended charge  | -dV   | 1.05hrs for empty battery   |  |   |
| termination control   | dT/dt   | 0...5 mV  |  |   |
| parameters  | TCO   | 0.8...1°C per min   |  |   |
| <b>trickle charge current</b>   | 48...80 mA  | (recommended)   |  |   |
| <b>continuous overcharge</b><br>(less than 1 year)                                  | <160 mA   | no conspicuous deformation  |  |   |
|   |   | no leakage  |  |   |
| <b>internal resistance</b>  | Average 5.5 mOhms at 1000Hz<br>(5~8mOhms)                       | battery fully charged   |  |   |
| <b>life expectancy</b>  | >500 cycles   | IEC61951-2 standard   |  |   |
| <b>Charge retention</b>   | >1050mAh  | discharge at 0.2C after storage 28 days at 20+/-5°C   |  |   |
| <b>ambient temperature range</b>  | 0...45°C<br>10...45°C<br>-20...50°C<br>-10...45°C<br>-10...35°C | standard charge<br>fast charge<br>discharge<br>storage less than 3 months<br>storage less than 1 year |  |  |
|  |   |                    |  |   |
| <b>mechanical specifications</b>  |   |   |  |   |
| cell dimensions (with sleeve)   |   |   |  |   |
| diameter d1   | 17.0-0.5 mm   |   |  |   |
| diameter d2   | 8.0+/-0.5 mm  |   |  |   |
| height h1   | 29.0-1.0 mm   |   |  |   |
| weight  | approx. 24 g  |   |  |   |

|                   |                    |
|-------------------|--------------------|
| DATA SHEET FOR    | Ni-MH 2/3A 1600mAh |
| VAPEXTECH DRAWING | VP1600AFP          |
| DRAWN BY / DATE   | 2010/2/20          |

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.