

# HSC3000 Cell (Industrial)

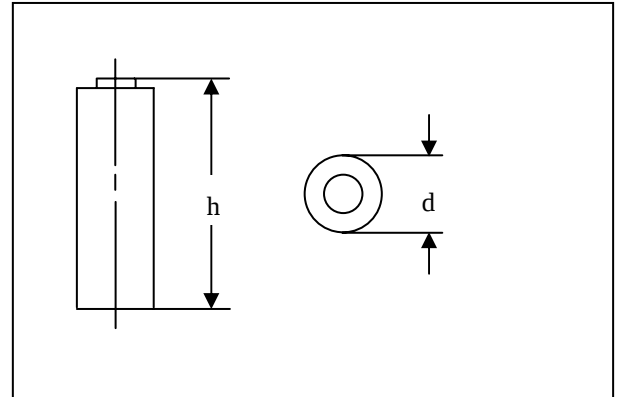
Data Sheet

NO: D0123

Sealed rechargeable Ni-MH cylindrical cell

## Cell Dimensions (shrink sleeve)

|                    |                        |
|--------------------|------------------------|
| Diameter           | 23.0 $^{+0}_{-1.0}$ mm |
| Height             | 42.7 $^{+0}_{-1.0}$ mm |
| Approximate Weight | 58g                    |



## Specifications

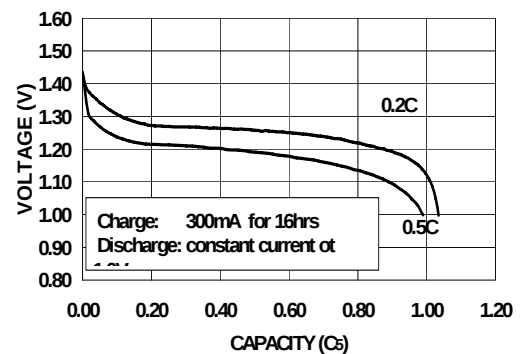
|                                                          |           |                                                      |               |
|----------------------------------------------------------|-----------|------------------------------------------------------|---------------|
| Nominal Voltage                                          |           | 1.2V                                                 |               |
| 0.2C<br>Discharge<br>Capacity*                           | Typical** | 3100mAh                                              |               |
|                                                          | Nominal   | 3000mAh                                              |               |
| Typical Internal Impedance<br>At 1kHz, fully charged, RT |           | 8mΩ                                                  |               |
| Charge                                                   | Standard  | 300mA for 16hrs.                                     |               |
|                                                          | Fast***   | 1500mA for 2.2 hrs<br>(-delta V or dT/dt controlled) |               |
| Life Expectancy                                          |           | 500 cycles                                           |               |
| Operating Temperature                                    | Charge    | Standard                                             | 0°C to 40°C   |
|                                                          |           | Fast                                                 | 10°C to 30°C  |
|                                                          | Discharge |                                                      | -10°C to 50°C |
|                                                          | Storage   | < 1 year                                             | -20°C to 25°C |
|                                                          |           | < 3 months                                           | -20°C to 35°C |

\* After charging for 16hrs with 0.1C

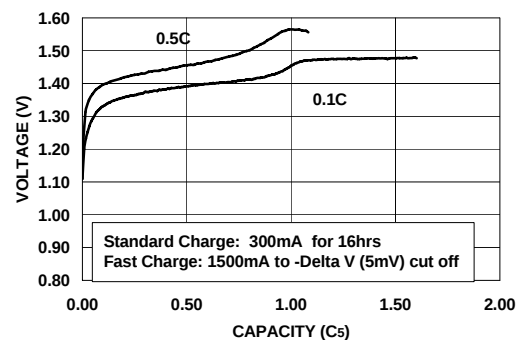
\*\* Average capacity

\*\*\* 5mV or 1°C per min.

DISCHARGE CHARACTERISTICS OF HSC3000 CELL



CHARGE CHARACTERISTICS OF HSC3000 CELL



Subject to change without prior notice

# JYH Battery Co. Ltd