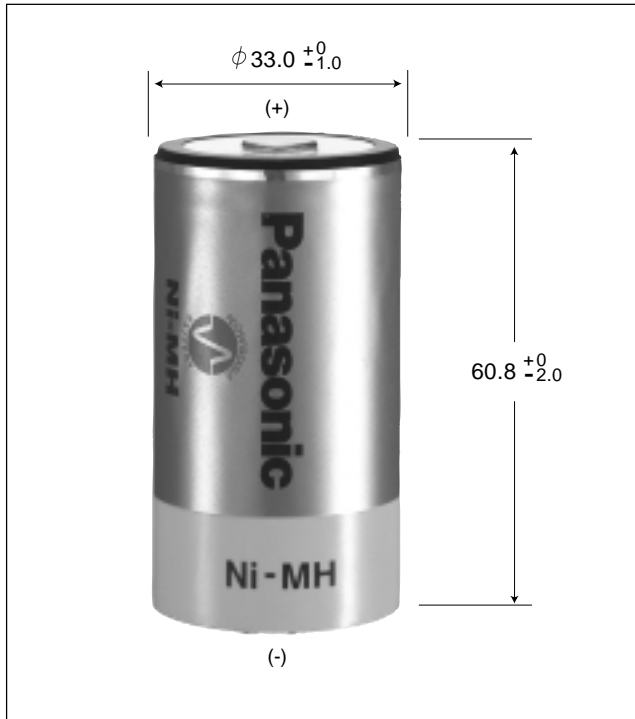


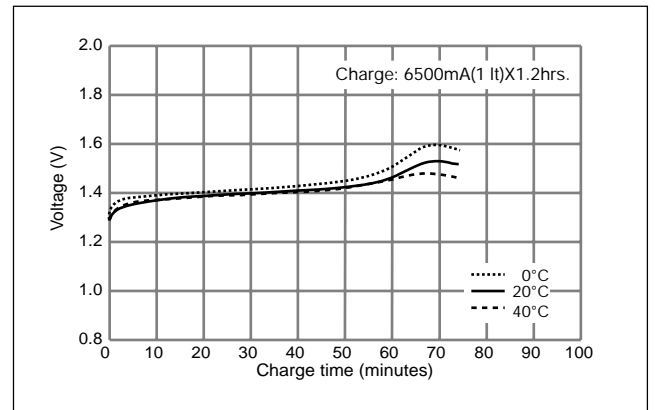
# HHR-650D/FT Cylindrical D size (HR33/62)

## Dimensions (with tube)

(mm)



## Typical charge characteristics



## Specifications

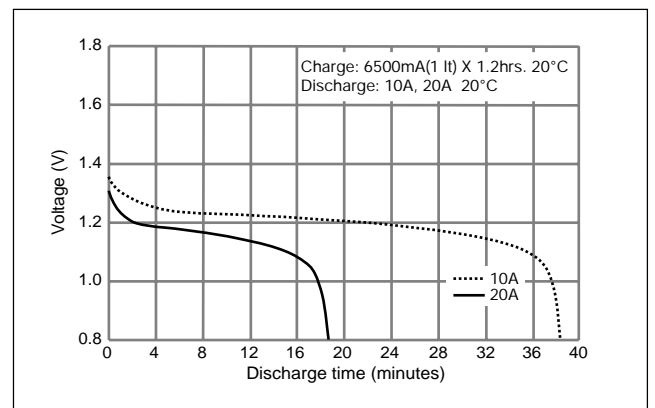
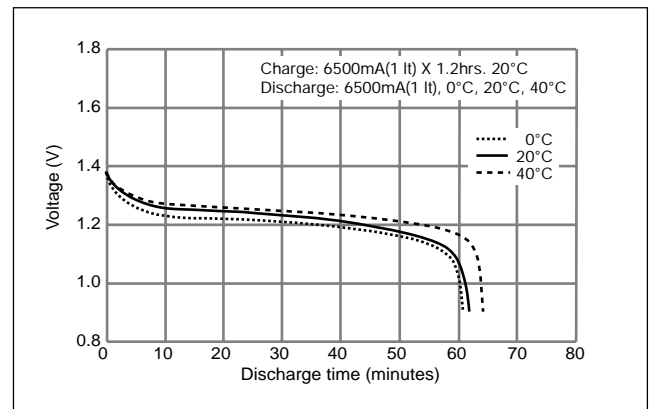
Diameter	33.0+0 / -1.0mm
Height	60.8+0 / -2.0mm
Approximate Weight	170g

Nominal Voltage		1.2V
Discharge Capacity	Average <sup>*1</sup>	6,800mAh
	Rated (min.)	6,500mAh
Approx. Internal impedance at 1000Hz at charged state.		2m Ω
Charge	Standard	650mA X 16hrs.
	Rapid	6,500mA X 1.2hrs.
Ambient Temperature	Charge	Standard: 0°C to 45°C Rapid: 0°C to 40°C
	Discharge	-10°C to 65°C
Storage	<1 year	-20°C to 35°C
	<3 months	-20°C to 45°C
	<1 month	-20°C to 55°C

\*1 After charging at 0.1It for 16 hours, discharging at 0.2It.  
\*2 For reference only.

Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge/discharge specs, warning label contents and unit design.

## Typical discharge characteristics



\*The data in this document are for descriptive purposes only and are not intended to make or imply any guarantee or warranty.