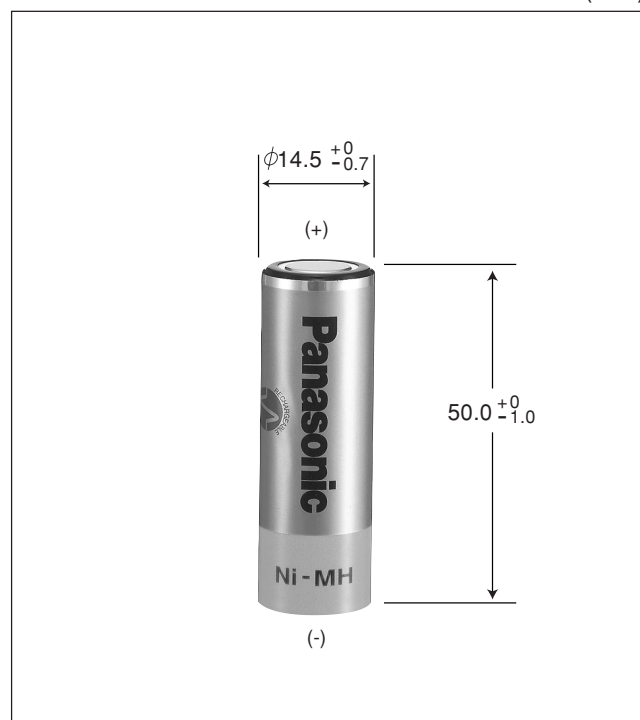


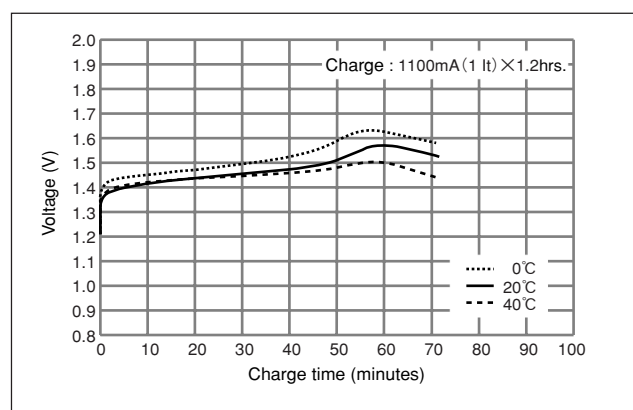
# HHR110AAO Cylindrical AA size (HR15/51) for back up use

**N** type

## ■ Dimensions (with tube) (mm)



## ■ Typical charge characteristics



## ■ Specifications

Diameter	14.5+0 / -0.7mm
Height	50.0+0 / -1.0mm
Approximate Weight	26g

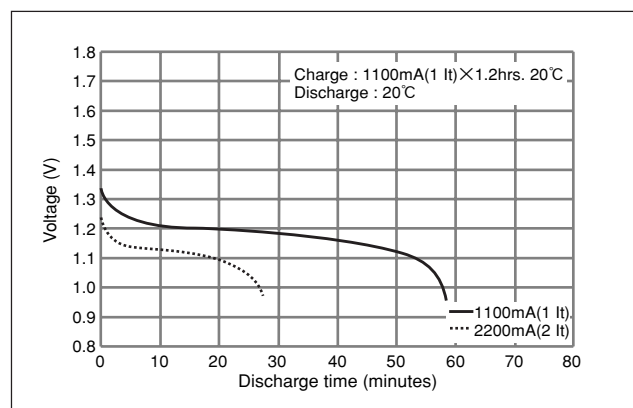
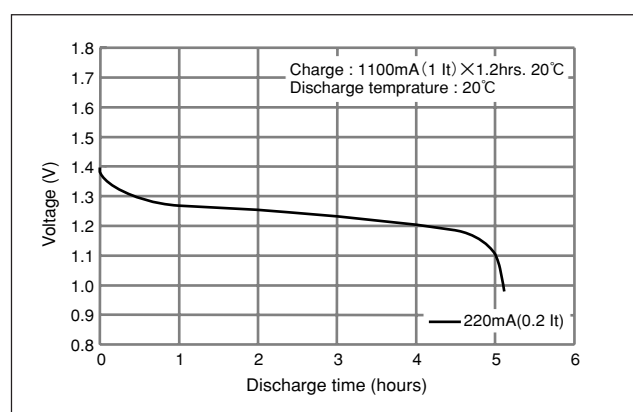
Nominal Voltage		1.2V
Discharge Capacity	Average*2	1180mAh
	Rated (min.)	1100mAh
Approx. Internal impedance at 1000Hz at charged state.		16m Ω
Charge	Standard	110mA X 16hrs.
	Rapid	1100mA X 1.2hrs.
Ambient Temperature	Charge	Standard: 0°C to 45°C Rapid: 0°C to 40°C
	Discharge	-10°C to 65°C
Storage	<1 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.

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