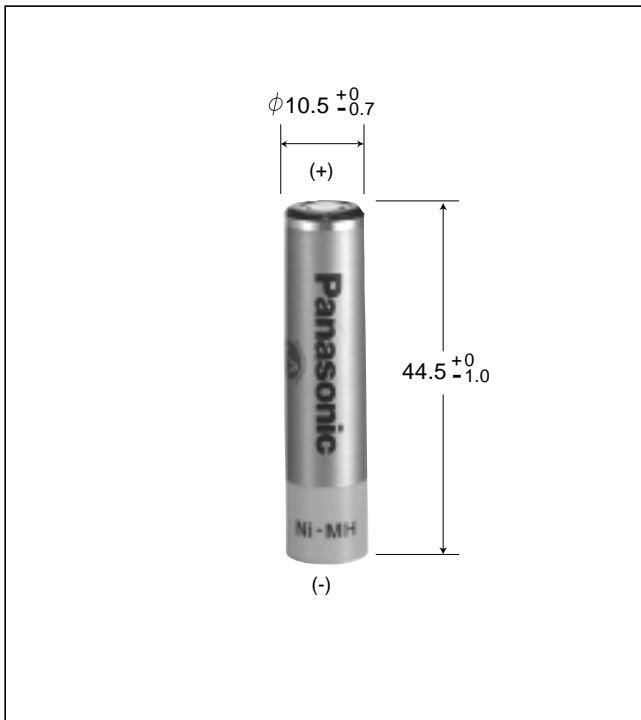
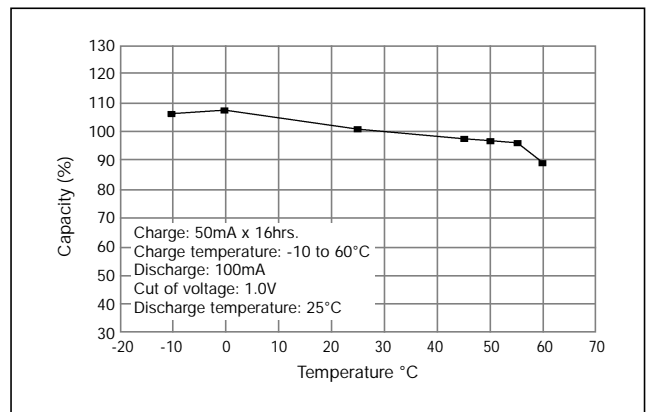
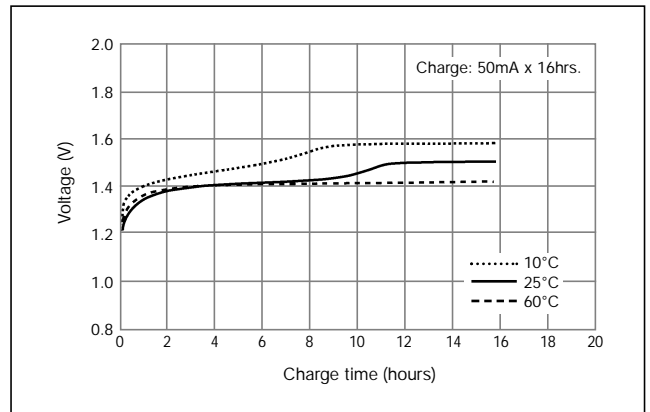


# HHR-60AAAH/FT Cylindrical AAA size (HR11/45) for back-up use

## Dimensions (with tube) (mm)



## Typical charge characteristics

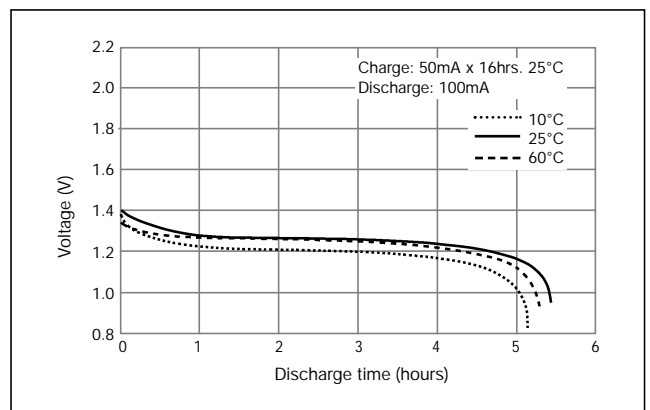


## Specifications

Diameter	10.5+0 / -0.7mm
Height	44.5+0 / -1.0mm
Approximate Weight	13g

Nominal Voltage		1.2V
Discharge Capacity <sup>*1</sup>	Average <sup>*2</sup>	550mAh
	Rated (min)	500mAh
Approx. Internal impedance at 1000Hz at charged state		35mΩ
Charge	Standard	50mA x 16hrs.
	Rapid <sup>*3</sup>	250mA x 2.4hrs.
	Low rate	25mA x 32hrs. 17mA x 48hrs.
Ambient Temperature	Charge	Standard
		Rapid
		Low rate
Discharge		-10°C to 60°C
Storage	<1 year	-20°C to 35°C
	<6 months	-20°C to 45°C
	<1 month	-20°C to 55°C
	<1 week	-20°C to 65°C

## Typical discharge characteristics



\*1 After charging at 0.1It for 16 hours, discharging at 0.2It.

\*2 For reference only.

\*3 Need specially designed control system. Please contact Panasonic for details.

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 design.

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