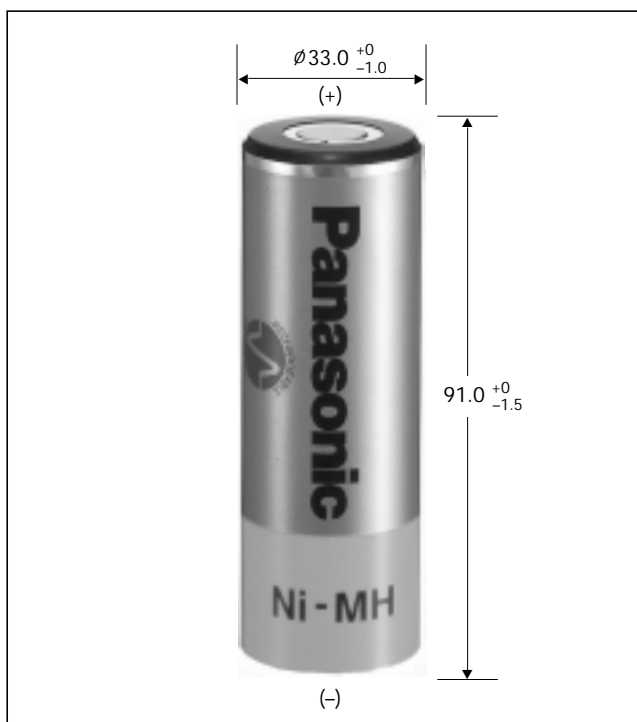
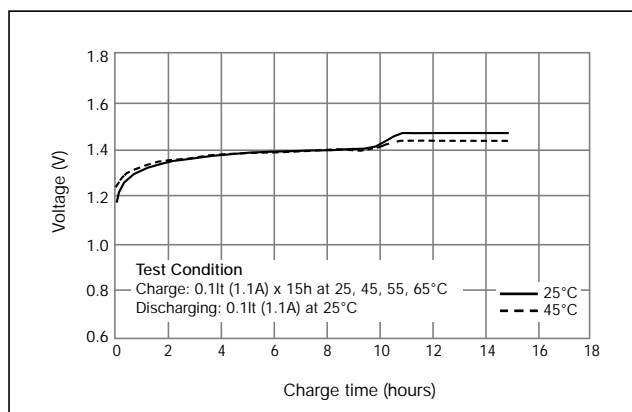


HHR1100FH/FT Cylindrical F size for back-up use

Dimensions (with tube) (mm)



Typical charge characteristics



Specifications

Diameter	33.0+0 / -1.0mm
Height	91.0+0 / -1.5mm
Approximate Weight	240g

Nominal Voltage		1.2V	
Discharge Capacity ^{*1}	Average ^{*2}	12,000mAh	
	Rated (min)	11,000mAh	
Approx. Internal impedance at 1000Hz at charged state		5mΩ	
Maximum Discharge Current		30,000mA	
Charge		Standard	1,100mA x 16hrs.
		Rapid ^{*3}	5,500mA x 2.4hrs. (with control system)
		Low rate	550mA x 32hrs. 367mA x 48hrs.
Ambient Temperature	Charge	Standard	-10°C to 60°C
		Rapid	
		Low rate	-10°C to 45°C
	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

^{*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.

Typical discharge characteristics

