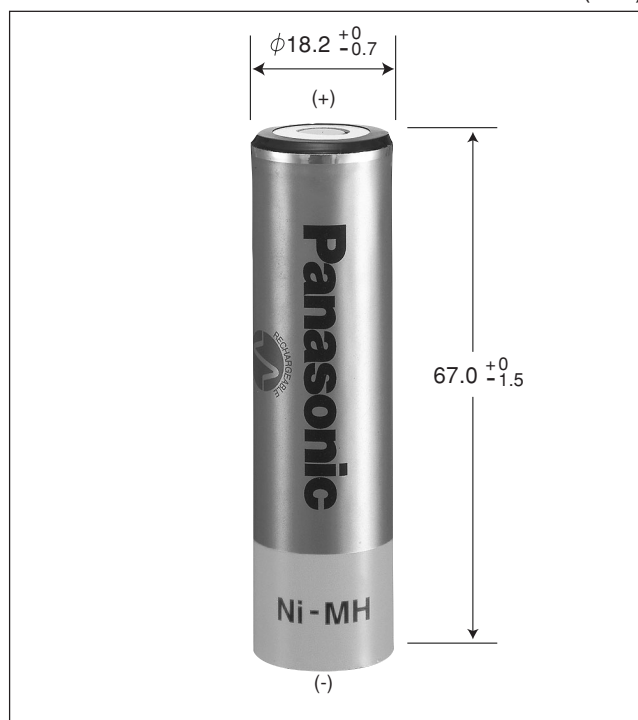


HHR450A Cylindrical 18670 size

S type

■ Dimensions (with tube) (mm)



■ Specifications

Diameter	18.2+0 / -0.7mm
Height	67.0+0 / -1.5mm
Approximate Weight	60g

Nominal Voltage		1.2V	
Discharge Capacity	Average*2	4500mAh	
	Rated (min.)	4200mAh	
Approx. Internal impedance at 1000Hz at charged state.		25m Ω	
Charge	Standard	420mA X 16hrs.	
	Rapid	2000mA dT/dt*3	
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	

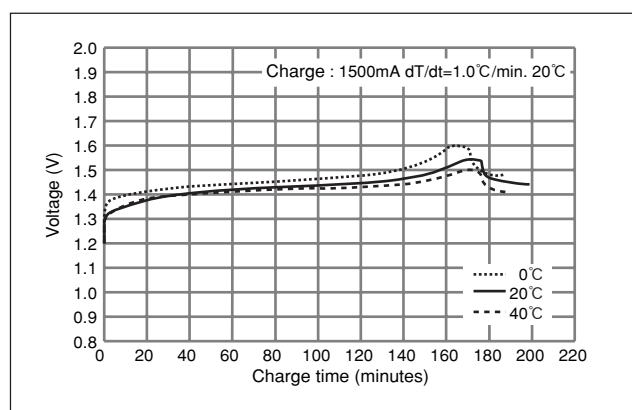
*1 After charging at 0.1It for 16 hours, discharging at 0.2It.

*2 For reference only.

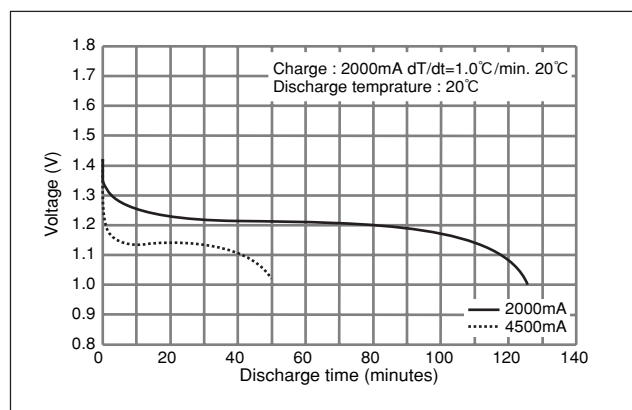
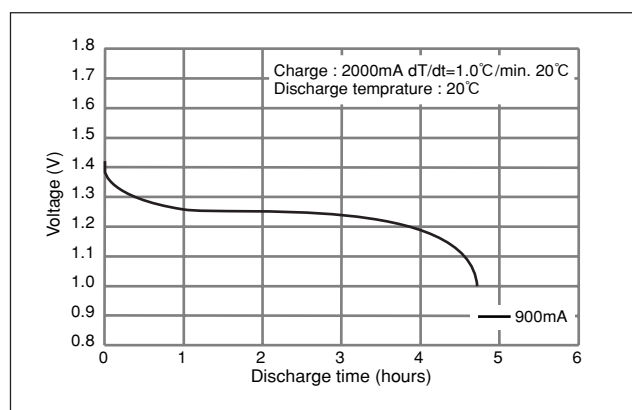
*3 Please consult Panasonic for details of dT/dt.

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 charge characteristics



■ 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.