

New

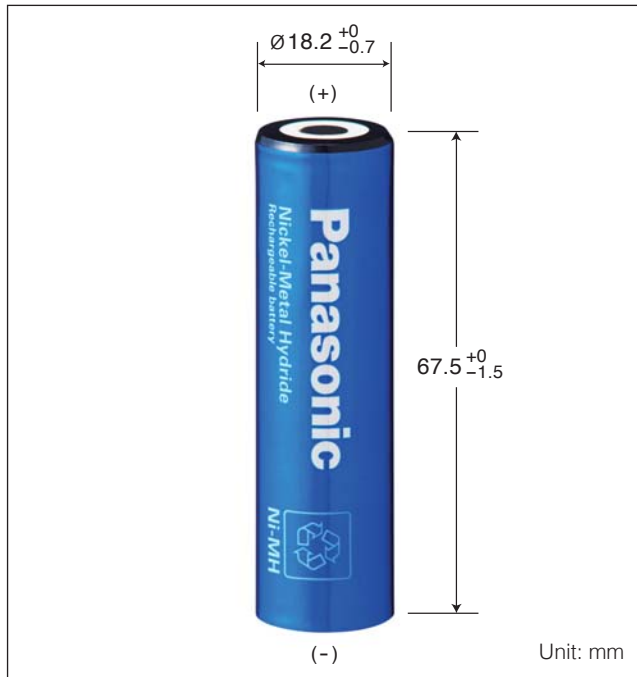
**BK450A**

L/Fat/A size

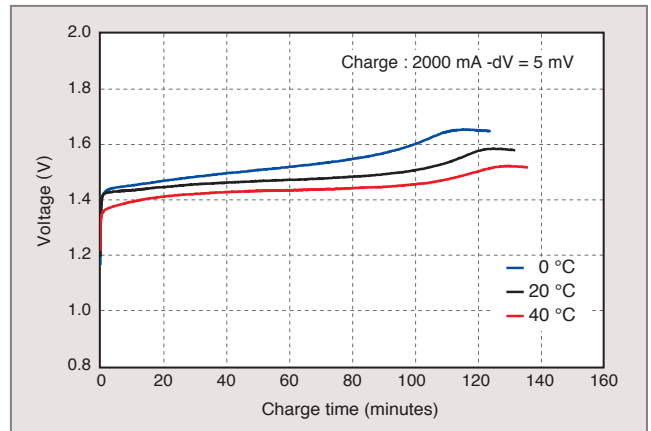
 Old  
 (HHR450A)

**Standard type**

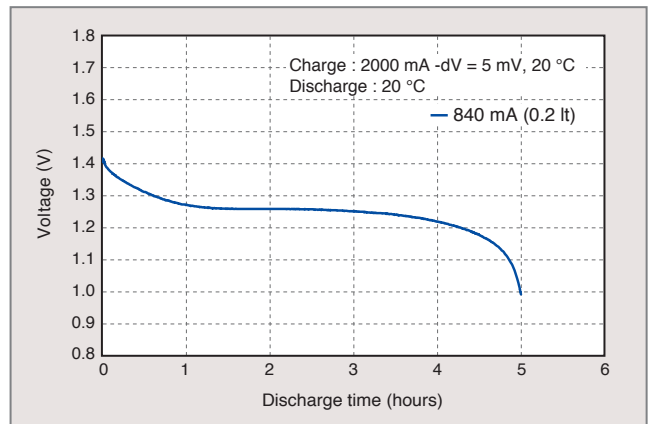
### ■ Dimensions (with tube)



### ■ Typical charge characteristics



### ■ Typical discharge characteristics



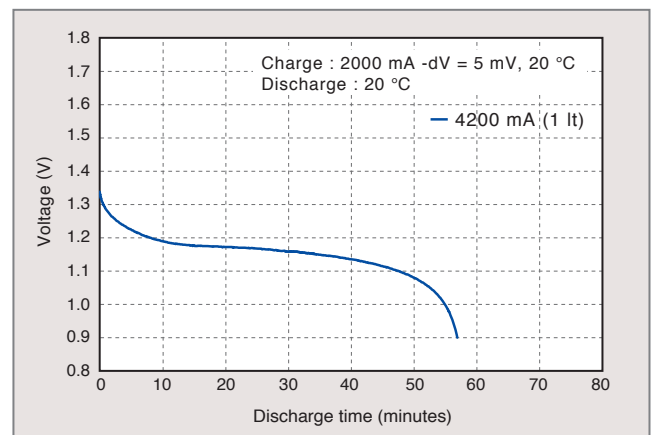
### ■ Specifications

Diameter		18.2 +0 / -0.7 mm	
Height		67.5 +0 / -1.5 mm	
Approximate Weight		60 g	
Nominal Voltage		1.2 V	
Discharge Capacity	Average <sup>*1</sup>	4500 mAh	
	Rated (min.) <sup>*2</sup>	4200 mAh	
Approx. Internal impedance at 1000Hz at charged state.		25 mΩ	
Charge	Standard	420 mA X 16 hrs.	
	Rapid <sup>*3</sup>	2000 mA	
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
<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 0.1 It for 16 hours, discharging at 0.2 It.

\*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 unit design.

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