

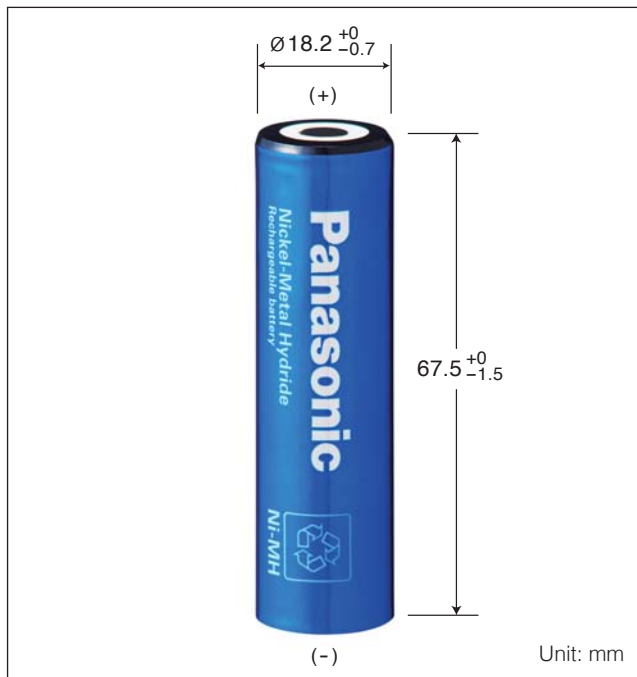
New
BK450A
LFat/A size

Old
(HHR450A)

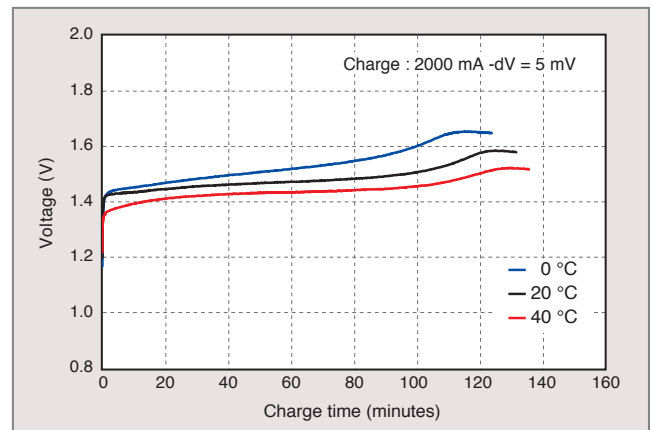
Standard type



■ Dimensions (with tube)



■ Typical charge characteristics



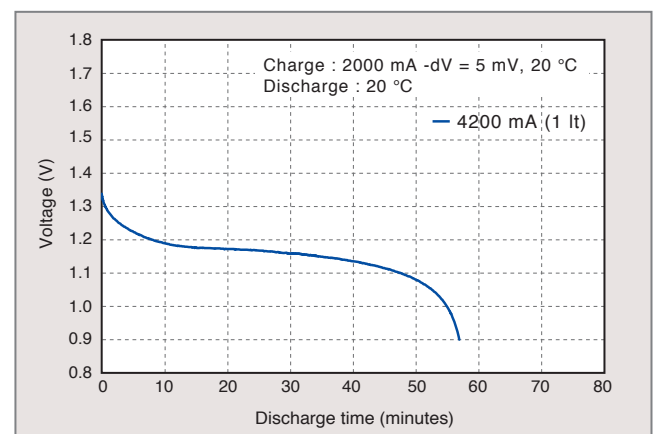
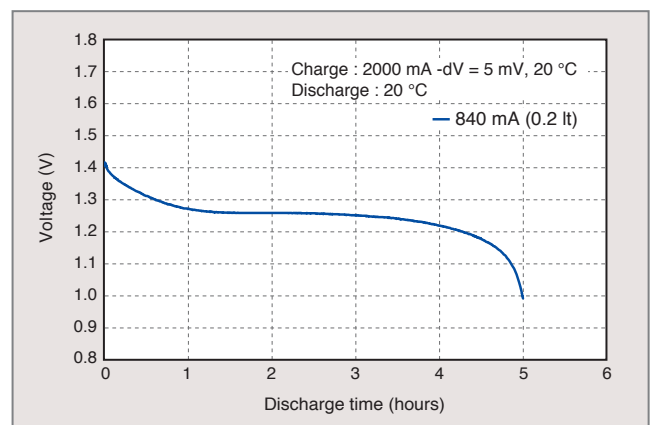
■ Specifications

Diameter	18.2 +0 / -0.7 mm
Height	67.5 +0 / -1.5 mm
Approximate Weight	61 g

Nominal Voltage		1.2 V	
Discharge Capacity	Average ^{*1}	4500 mAh	
	Rated (min.) ^{*2}	4200 mAh	
Approx. Internal impedance at 1000Hz at charged state.		25 mΩ	
Charge	Standard	420 mA X 16 hrs.	
	Rapid ^{*3}	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.

■ Typical discharge characteristics



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.