

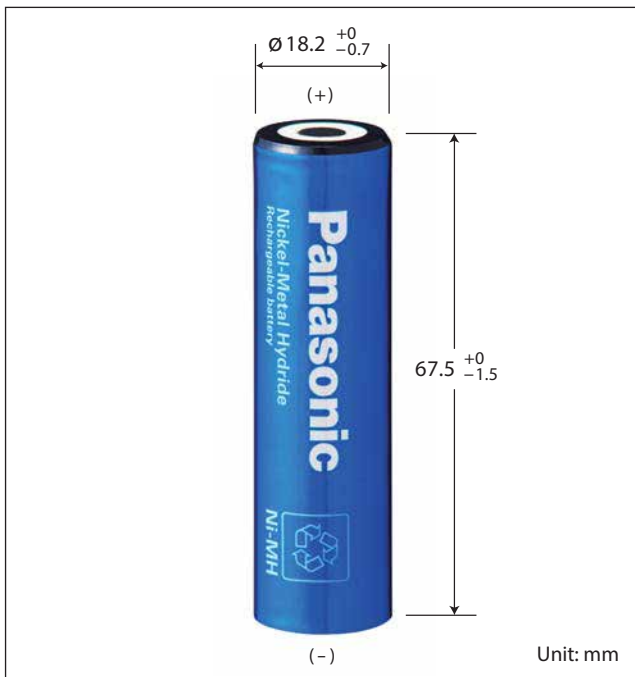
New  
**BK450A**  
 L/Fat/A size

Old  
 (HHR450A )

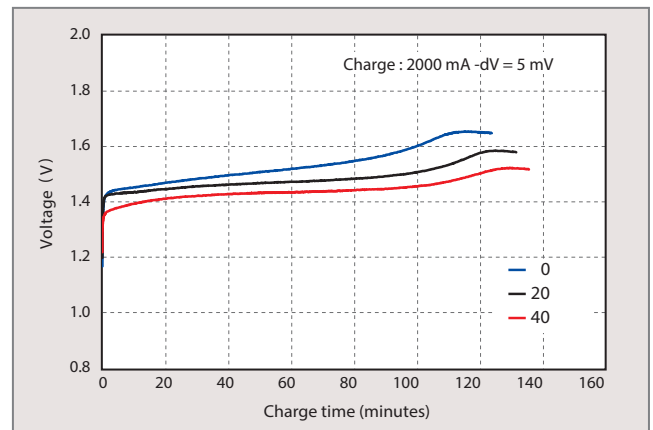
Standard type



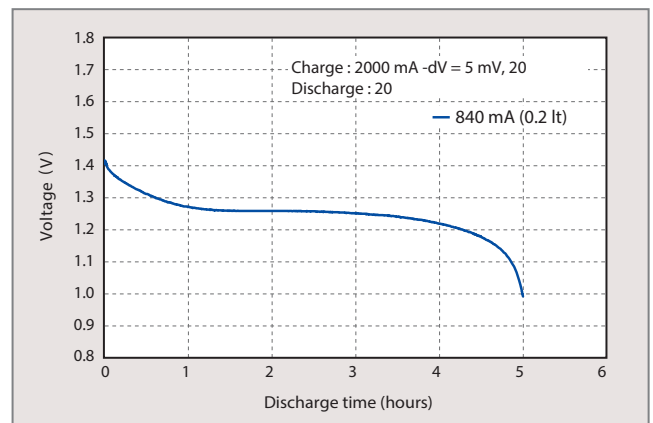
Dimensions (with tube)



Typical charge characteristics



Typical discharge characteristics



Specifications

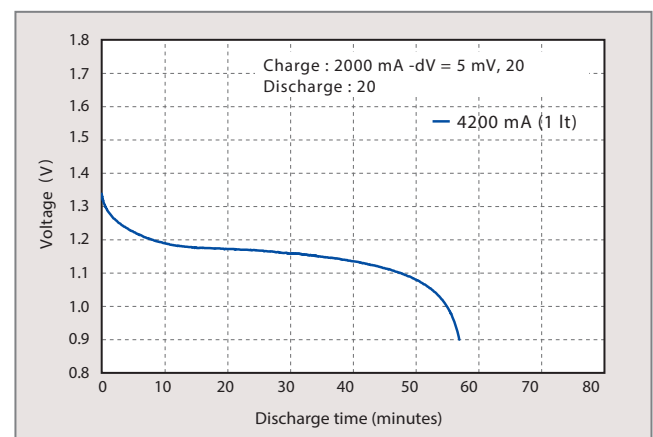
Diameter	18.2 +0 / -0.7 mm
Height	67.5 +0 / -1.5 mm
Approximate Weight	60 g

Nominal Voltage	1.2 V	
Discharge Capacity	Average *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 to 40
	Discharge		-10 to 65
	Storage	<1 year	-20 to 35
		<6 months	-20 to 45
		<1 month	-20 to 55
		<1 week	-20 to 65

\*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.

CONSULTING DISTRIBUTOR

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