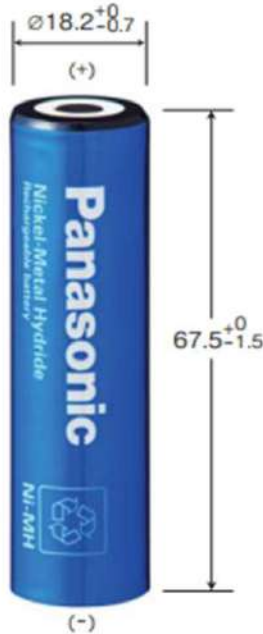


BK450A

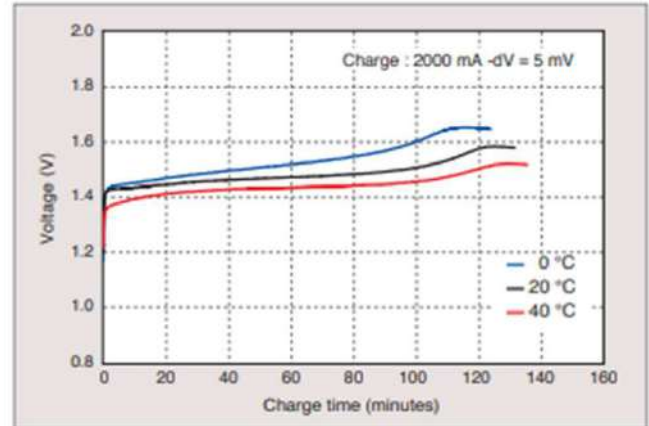
Old Product Number: HHR450A

Nickel Metal Hydride Battery [N: Standard]

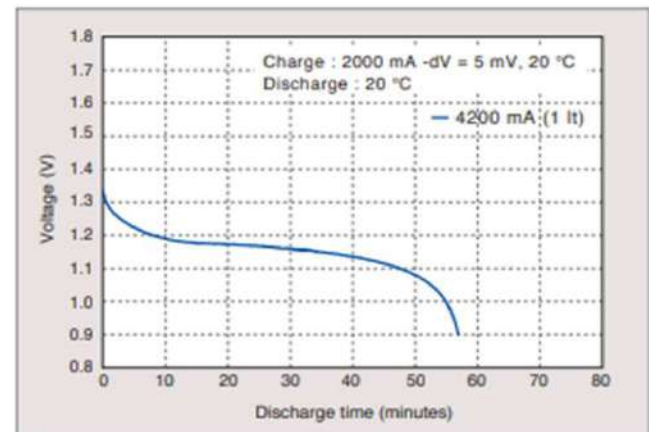
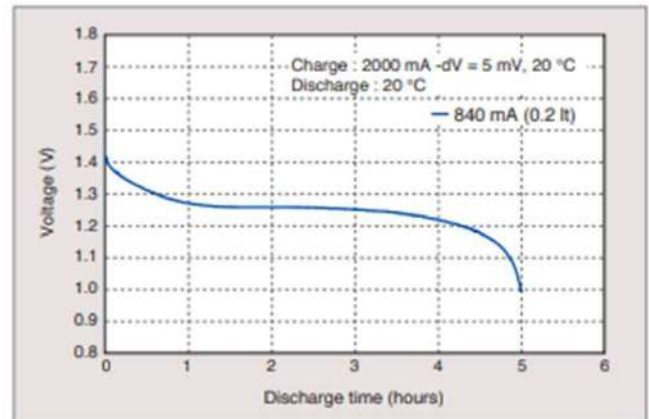
Dimensions



Typical charge characteristics



Typical discharge 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.)	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	Standard	0 °C to 45 °C
	Rapid	0 °C to 40 °C
	Discharge	-10 °C to 65 °C
	<1 year	-20 °C to 35 °C
	<6 months	-20 °C to 45 °C
	<1 month	-20 °C to 55 °C
Storage	<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 Energy for details.

Attention

Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic Energy when determining charge/discharge specs, warning label contents and unit design.

Panasonic Energy Co., Ltd.

<https://industrial.panasonic.com/ww/products/pt/nickel-metal>

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