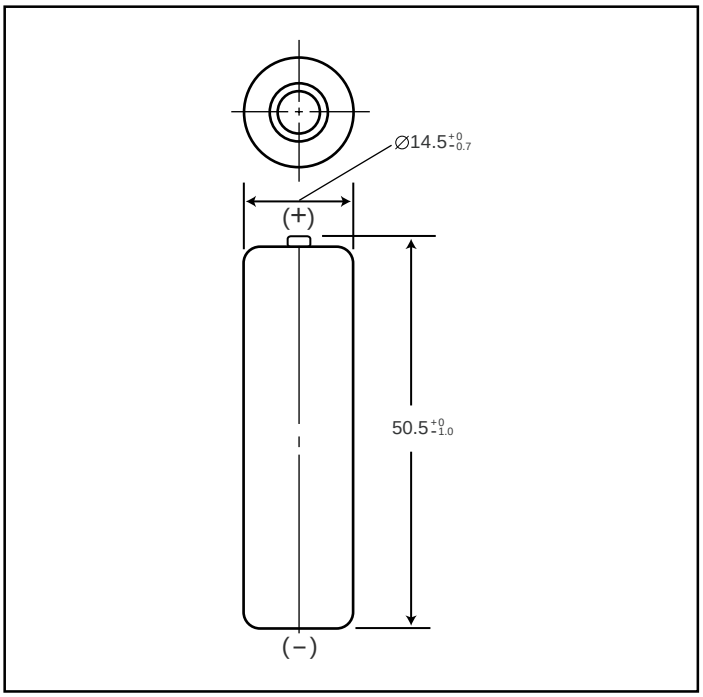
HHR210AA/B Cylindrical AA size (HR 15/51)

Dimensions (with Tube) (mm)



Specifications

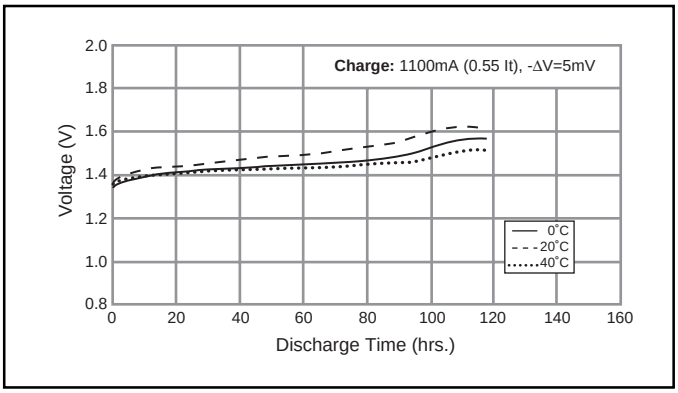
	mm	inch
Diameter	14.5 +0/-0.7	0.57 +0/-0.3
Height	50.5 +0/-1.0	1.99 +0/-0.5
Approximate Weight	Grams	Ounces
	29	1.02

Nominal Voltage			1.2V	
Discharge Capacity*		Average**	2080mAh	
		Rated (Min.)	2000mAh	
Approx. internal Impedance at 1000Hz at charged state.			25mΩ	
Charge		Standard	200mA (0.1It) x 16 hrs.	
		Rapid	1200mA (1It) x 2 hrs.	
Ambient Temperature	Charge	Standard	°C	°F
			0°C to 45°C	32°F to 113°F
		Rapid	0°C to 40°C	32°F to 113°F
	Discharge		-10°C to 65°C	14°F to 149°F
	Storage	< 1 year	-20°C to 35°C	-4°F to 95°F
		< 3 months	-20°C to 45°C	-4°F to 113°F
		< 1 month	-20°C to 55°C	-4°F to 131°F

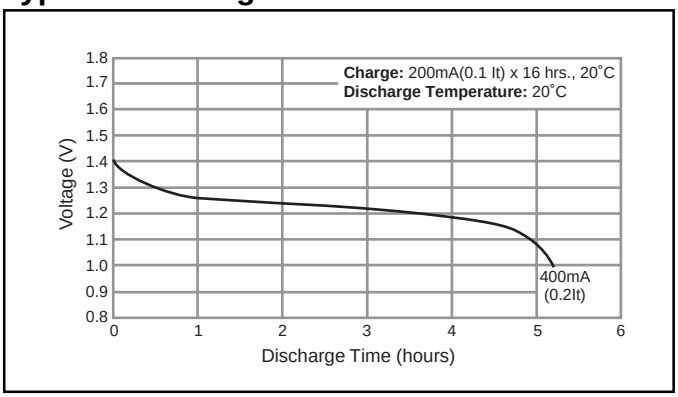
* After charging at 0.1It for 16 hours, discharging at 0.2It.
** For reference only.
Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

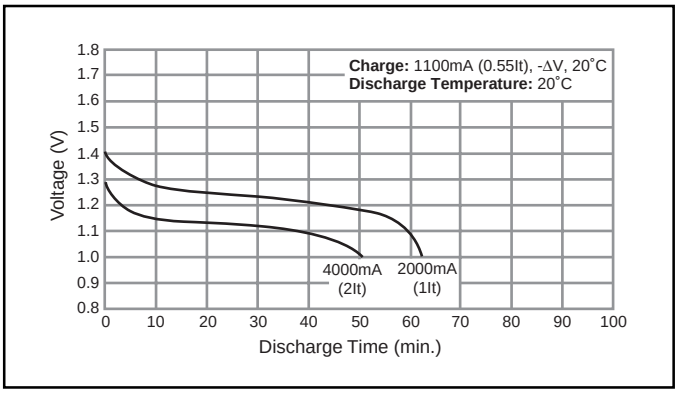
Note: [It] was previously expressed as [C]. [It] is an IEC standard expression for the amount of charge or discharge current and is expressed as:
It(A) = Cn (Ah)/1h
* [It] is the reference test current in ampres
* [Cn] is the rated capacity of the cell or battery in Ampere-hours.
n = the time base [hours] for which the rated capacity is declared

Typical Charge Characteristics



Typical Discharge Characteristics





This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Panasonic for the latest information.