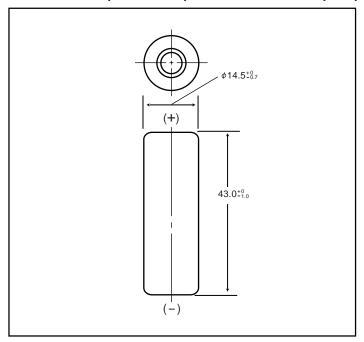
NICKEL METAL HYDRIDE BATTERIES: INDIVIDUAL DATA SHEET

HHR120AA Cylindrical 4/5AA size (HR 15/43)

Dimensions (with Tube)

(mm)



Specifications

	mm	inch
Diameter	14.5+0/-0.7	0.57+0/-0.03
Height	43.0+0/-1.0	1.69+0/-0.04
Approximate	Grams	Ounces
Weight	23	0.81

Nominal Voltage		1.2V		
Discharge Capacity*		Average**	1220 mAh	
		Rated (Min.)	1150 mAh	
Approx. Internal impedance at 1000Hz at charged state.		19mΩ		
Charge		Standard	120mA (0.1lt) x 16hrs.	
		Rapid	1200mA (1lt) x 1.2 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 104°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

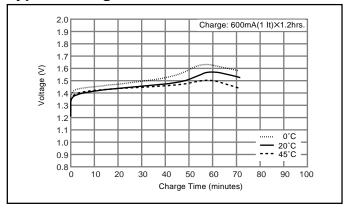
- * After charging at 0.1lt for 16 hours, discharging at 0.2lt.
- ** For reference only.

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.

[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

