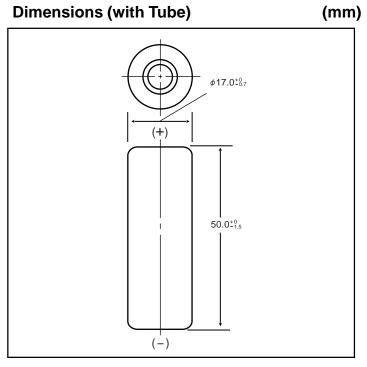
NICKEL METAL HYDRIDE BATTERIES: INDIVIDUAL DATA SHEET

HHR210A Cylindrical A size (HR 17/50)



Specifications

			mm	inch	
Diameter		17.0+0/-0.7	0.67+0/-0.03		
Height			50.0+0/-1.5	1.97+0/-0.06	
Approximate			Grams	Ounces	
Weight		38	1.34		
Nominal Voltage			1.2V		
Discharge Capacity*		Average**	2200	2200 mAh	
		Rated (Min.)	2100	2100 mAh	
Approx. Internal impedance at 1000Hz at charged state.			20	20mΩ	
Charge		Standard	210mA (0.	210mA (0.1lt) x 16hrs.	
		Rapid	2100mA (1	2100mA (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.

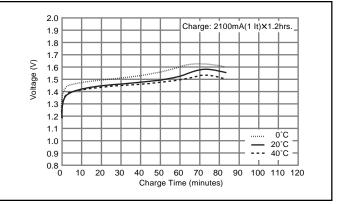
Note: [It] was previously expressed as [C]. [It] is an IEC standard expression for the amount of charge or discharge current and is expressed as: It(A) = Cn (Ah)/1h.

• [It] is the reference test current in ampres

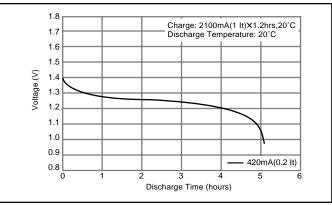
nasonic

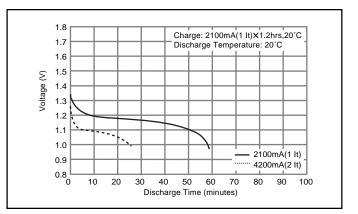
• [Cn] is the rated capacity of the cell or battery in Ampere-hours. n = the time base [hours] for which the rated capacity is declared

Typical Charge Characteristics



Typical Discharge Characteristics





NICKEL METAL HYDRIDE HANDBOOK

AUGUST 2005

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.