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

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• [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

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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.