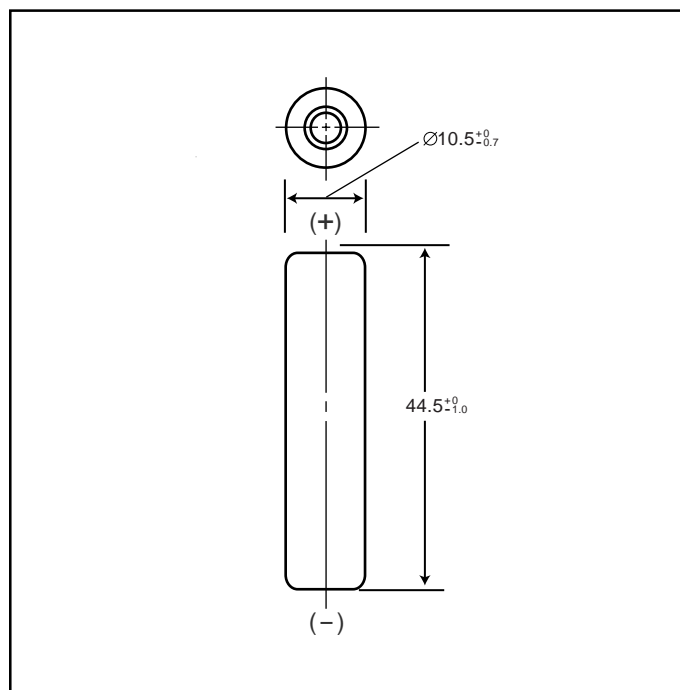


# NICKEL METAL HYDRIDE BATTERIES: INDIVIDUAL DATA SHEET

## HHR70AAAJ Cylindrical HR AAA size (HR 11/45)

### Dimensions (with Tube) (mm)



### Specifications

	mm	inch
Diameter	10.5+0/-0.7	0.41+0/-0.03
Height	44.5+0/-1.0	1.75+0/-0.04
Approximate Weight	Grams	Ounces
	13	0.46

Nominal Voltage			1.2V	
Discharge Capacity*		Average**	720 mAh	
		Rated (Min.)	700 mAh	
Approx. Internal impedance at 1000Hz at charged state.			30mΩ	
Charge		Standard	70mA (0.1It) x 16hrs.	
		Rapid	650mA (1It) 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
	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.

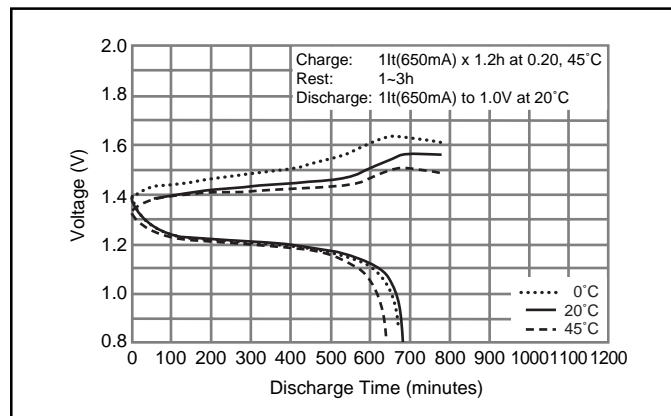
\*\* For reference only.

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.

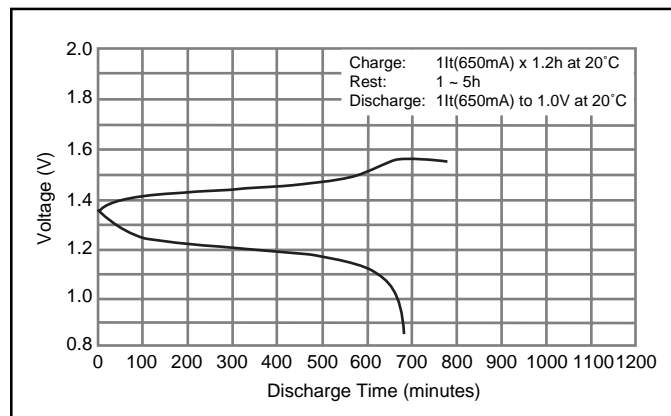
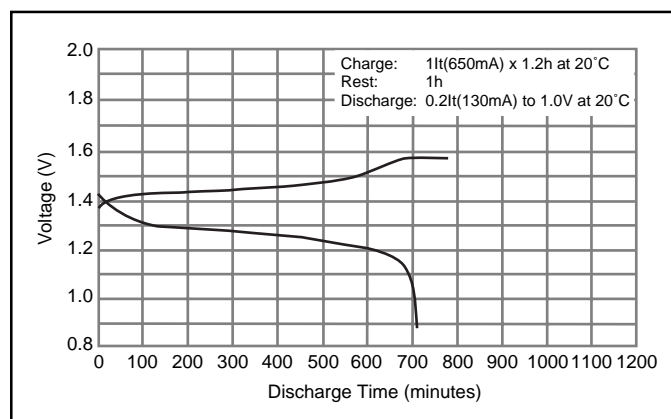
**Note:** [It] was previously expressed as [C]. [It] is an IEC standard expression for the amount of charge or discharge current and is expressed as:  
It(A) = Cn (Ah)/1h.

- [It] is the reference test current in amperes
- [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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

[HHR-70AAAB](#) [HHR-70AAAB7](#)