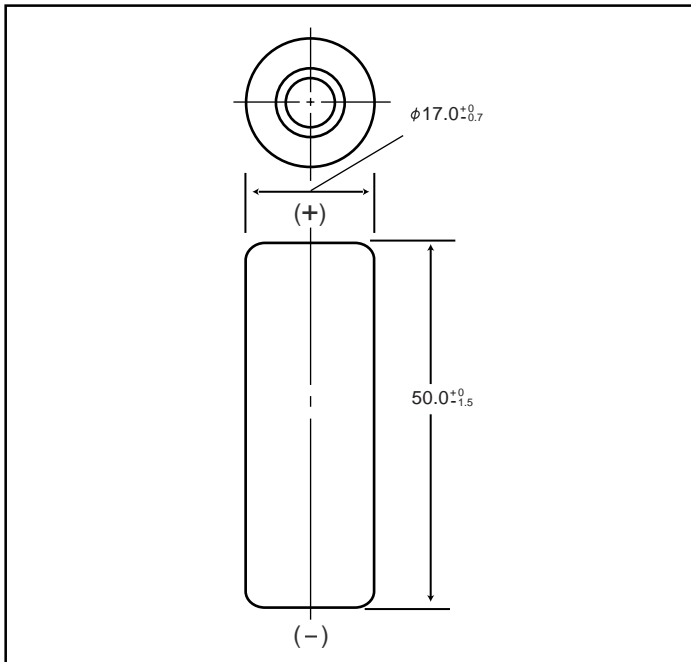


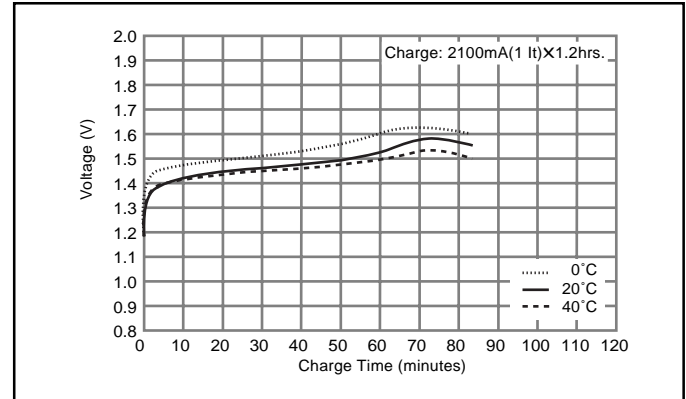
NICKEL METAL HYDRIDE BATTERIES: INDIVIDUAL DATA SHEET

HHR210A Cylindrical A size (HR 17/50)

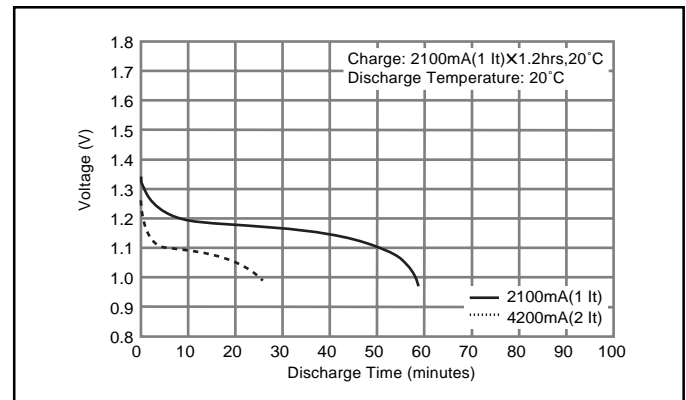
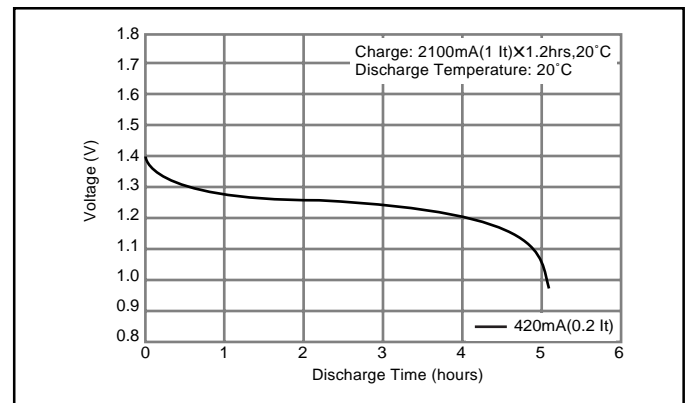
Dimensions (with Tube) (mm)



Typical Charge Characteristics



Typical Discharge Characteristics



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 Weight | Grams | Ounces |
| | 38 | 1.34 |

| | | | | |
|--|--------------|-------------------------|---------------|---------------|
| Nominal Voltage | | 1.2V | | |
| Discharge Capacity* | Average** | 2200 mAh | | |
| | Rated (Min.) | 2100 mAh | | |
| Approx. Internal impedance at 1000Hz at charged state. | | 20mΩ | | |
| Charge | Standard | 210mA (0.1It) x 16hrs. | | |
| | Rapid | 2100mA (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

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