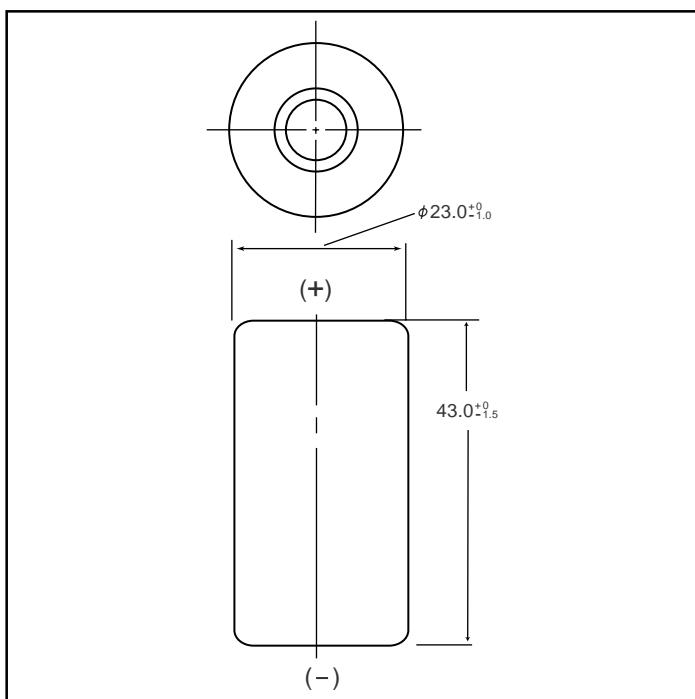


NICKEL METAL HYDRIDE BATTERIES: INDIVIDUAL DATA SHEET

HHR250SCH Cylindrical SC size (HR 23/43)

Dimensions (with Tube)

(mm)



Specifications

	mm	inch
Diameter	23.0+0/-1.0	0.91+0/-0.04
Height	43.0+0/-1.5	1.69+0/-0.06
Approximate Weight	Grams	Ounces
	55	1.94

Nominal Voltage		1.2V
Discharge Capacity ¹	Average ²	2650 mAh
	Rated (Min.)	2500 mAh
Approx. Internal impedance at 1000Hz at charged state.		5mΩ
Charge	Standard	250mA x 16hrs.
	Rapid ³	1250mA x 2.4 hrs. ⁴
	Low Rate	125mA x 32 hrs. 83mA x 48 hrs.
Ambient Temperature	Charge	°C °F
	Standard	-10°C to 60°C 14°F to 140°F
	Rapid	-10°C to 45°C 14°F to 113°F
	Discharge	-10°C to 60°C 14°F to 140°F
Storage	< 1 year	-20°C to 35°C -4°F to 95°F
	< 6 months	-20°C to 45°C -4°F to 113°F
	< 1 month	-20°C to 55°C -4°F to 131°F
	< 1 week	-20°C to 65°C -4°F to 149°F

¹ After charging at 0.1It for 16 hours, discharging at 0.2It.

² For reference only.

³ Need specially designed control system

Control System:

dT/dt cut-off; 1 to 2°C/min

-ΔV cut-off; -ΔV per cell = 5 to 10 mV

T-control; T=65°C

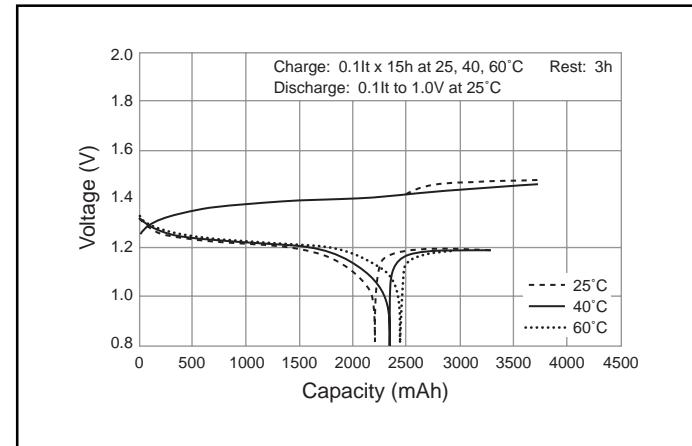
Rapid charger timer; 2.4h (at 1.25A)

Trickle timer; within 2h

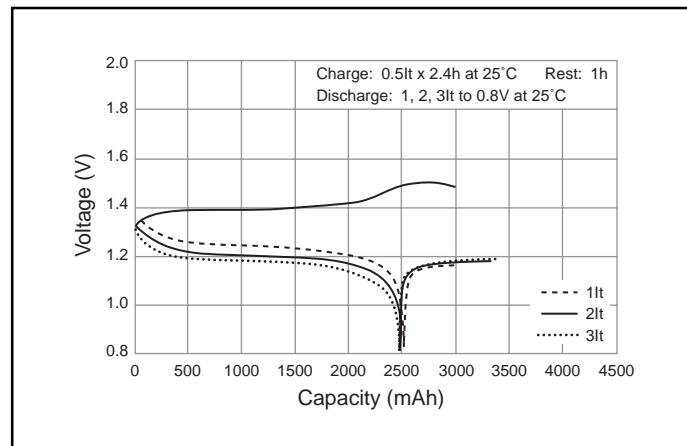
⁴ With control system

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.

Typical Charge Characteristics



Typical Discharge Characteristics



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: $It(A) = Cn \text{ (Ah)}/1\text{h}$

* [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

Mouser Electronics

Authorized Distributor

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

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[HHR-25SCHY03](#)