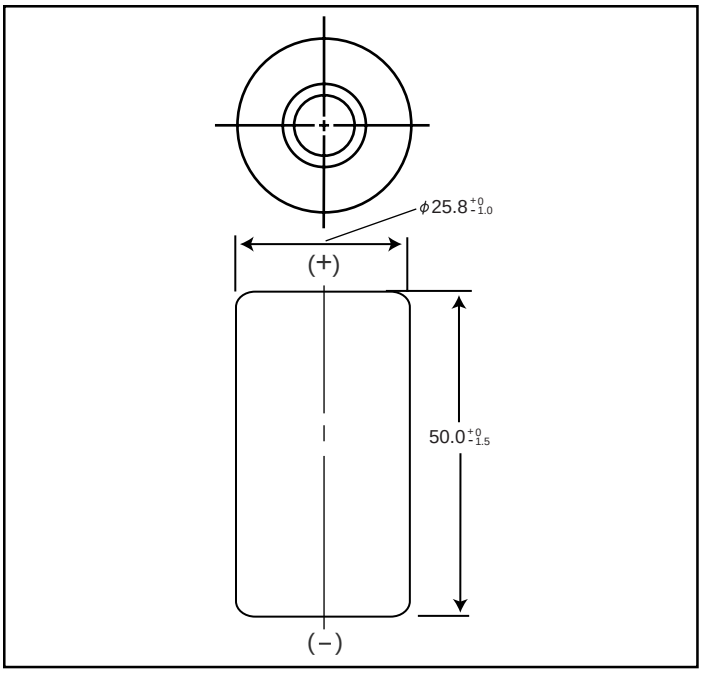
HHR300CH Cylindrical C size (HR 26/50) for backup use

Dimensions (with Tube) (mm)



Specifications

	mm	inch
Diameter	25.8+0/-1.0	1.02+0/-0.04
Height	50.0+0/-1.5	1.97+0/-0.06
Approximate Weight	**Grams**	**Ounces**
	80	2.82

Nominal Voltage			1.2V	
Discharge Capacity[1]		**Average[2]**	3300 mAh	
		Rated (Min.)	3100 mAh	
Approx. Internal impedance at 1000Hz at charged state.			5mΩ	
Charge		**Standard**	300mA (0.1It) x 16hrs.	
		Rapid[3]	1500mA (1It) x 2.4 hrs.[4]	
		Low Rate	155mA x 32 hrs. 100mA x 48 hrs.	
Ambient Temperature			**°C**	**°F**
	Charge	**Standard**	0°C to 45°C	32°F to 113°F
		Rapid	10°C to 40°C	32°F to 104°F
		Low Rate	-10°C to 45°C	14°F to 149°F
	Discharge		-10°C to 65°C	14°F to 113°F
	Storage	**< 1 year**	-20°C to 35°C	-4°F to 95°F
		< 3 months	-20°C to 35°C	-4°F to 95°F
		< 1 month	-20°C to 55°C	-4°F to 131°F

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

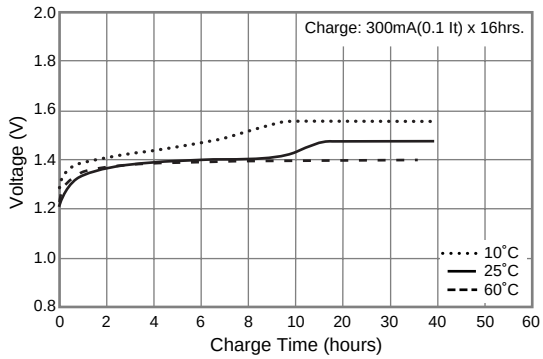
[2] For reference only.

[3] Need specially designed control system
Control System:
dT/dt cut-off; 1 to 2°C/min
-△V cut-off; -△V per cell = 5 to 10 mV
T-control; T=65°C
Rapid charger timer; 2.4h (at 1.25a)
Trickle timer; within 2h

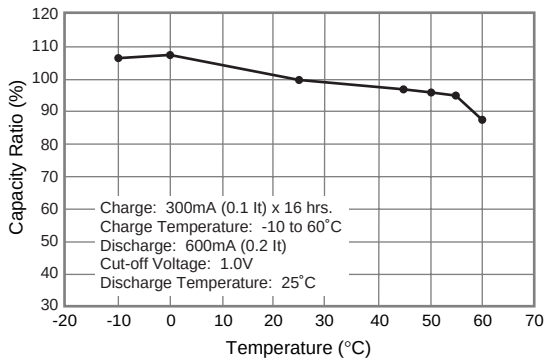
[4] With control system

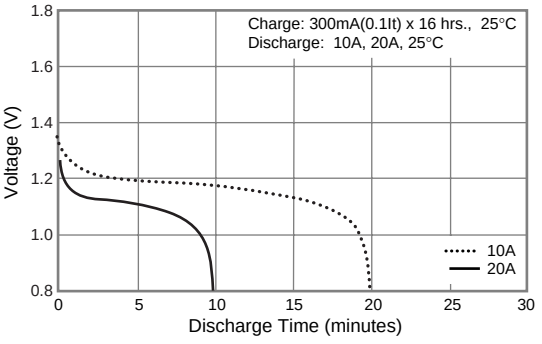
Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

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 (Ah)/1h.

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