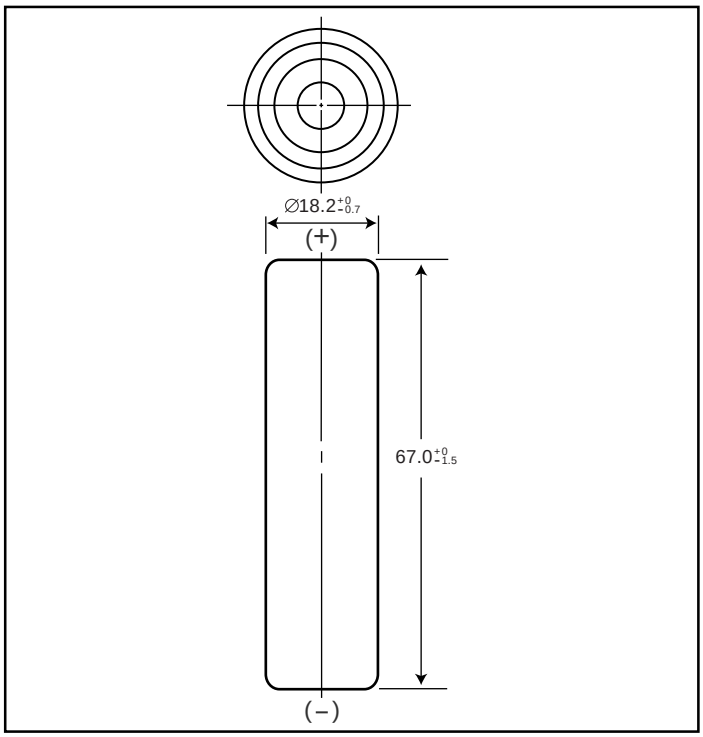
HHR370AH Cylindrical L-Fat A size (HR 18/67)

Dimensions (with Tube) (mm)



Specifications

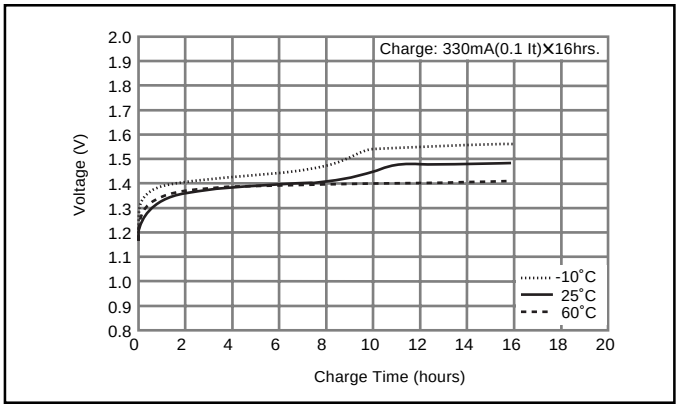
	mm	inch
Diameter	18.2+0/-0.7	0.72+0/-0.03
Height	67.0+0/-1.5	2.64+0/-0.06
Approximate Weight	**Grams**	**Ounces**
	60	2.12

Nominal Voltage			1.2V	
Discharge Capacity[1]		**Average**[2]	3700 mAh	
		Rated (Min.)	3500 mAh	
Approx. Internal impedance at 1000Hz at charged state.			20mΩ	
Charge		**Standard**	370mA x 16hrs.	
		Rapid[3]	1750mA x 2.4 hrs.[4]	
		Low Rate	185mA x 32 hrs. 123mA x 48 hrs.	
Ambient Temperature			**°C**	**°F**
	Charge	**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

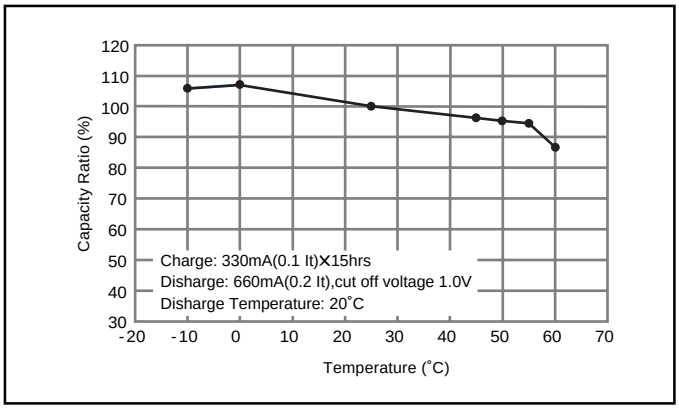
1 After charging at 0.1It for 16 hours, discharging at 0.2It.
2 For reference only.
3 Need specially designed control system
Control System:
dT/dt cut-off; 1 to 2°C/min
-△V cut-off; -△V per cell = 5 to 10 mV
T-control; T=65°C
Rapid charger timer; 2.4h (at 1.25a)
Trickle timer; within 2h
4 With control system

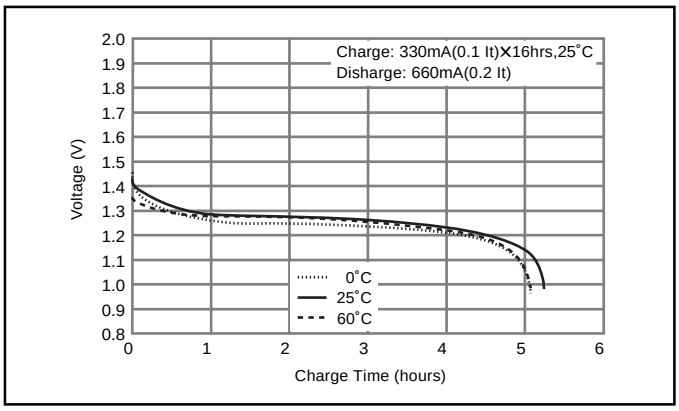
Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

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