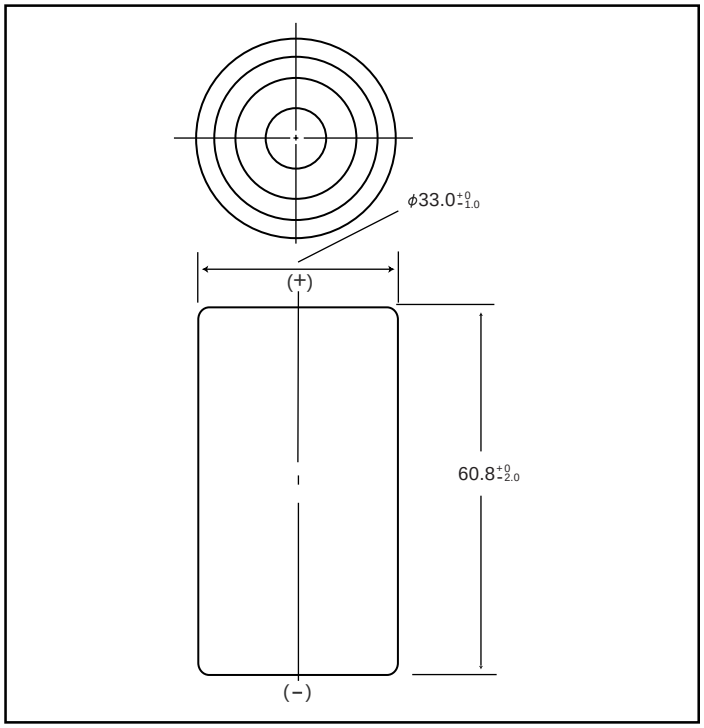
HHR650D Cylindrical D size (HR 33/62)

Dimensions (with Tube) (mm)



Specifications

	mm	inch
Diameter	33.0+0/-0.1	1.3+0/-0.04
Height	61.0+0/-1.5	2.39+0/-0.08
Approximate Weight	Grams	Ounces
	170	6.0

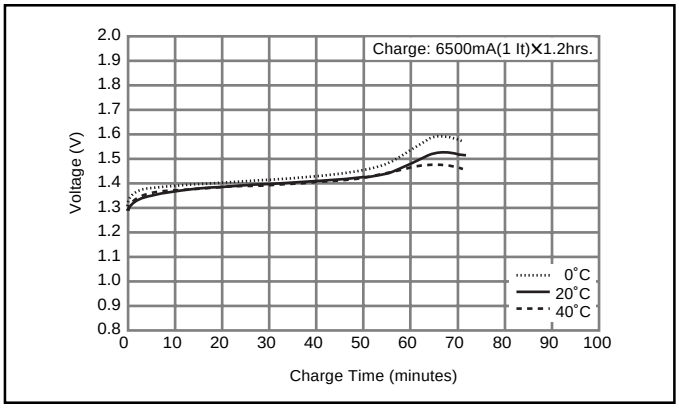
Nominal Voltage			1.2V	
Discharge Capacity*		Average**	6800 mAh	
		Rated (Min.)	6500 mAh	
Approx. Internal impedance at 1000Hz at charged state.			2mΩ	
Charge		Standard	650mA (0.1It) x 16hrs.	
		Rapid	6500mA (1It) x 1.2 hrs.	
Ambient Temperature	Charge	Standard	°C	°F
			0˚C to 45˚C	32˚F to 113˚F
		Rapid	0˚C to 40˚C	32˚F to 104˚F
	Discharge		-10˚C to 65˚C	14˚F to 149˚F
	Storage	< 2 years	-20˚C to 45˚C	-4˚F to 113˚F
		< 6 months	-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 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

Typical Charge Characteristics



Typical Discharge Characteristics