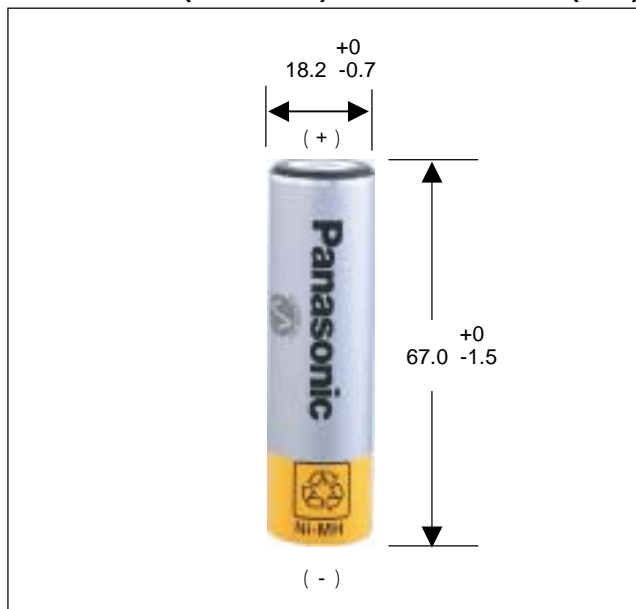


HHR330APH Cylindrical LFA/A size for back up use

PH type

Dimensions (with tube) (mm)



Diameter	18.2 + 0 / -0.7 mm
Height	67.0 + 0 / -1.5 mm
Approx.Weight	60g

Specifications

Nominal Voltage		1.2V	
Discharge Capacity *	Average **	3,300mAh	
	Rated (Min.)	3,200mAh	
Approx.Internal impedance at 1000Hz at charged state.		5.5m	
Charge	Standard	330mA × 16 hrs.	
	Rapid ***	1650mA × 2.4 hrs.	
	Low rate	165mA × 32 hrs. 110mA × 48 hrs.	
Ambient Temperature	Charge	Standard	-10 to 60
		Rapid	-10 to 60
		Low rate	-10 to 45
	Discharge	-10 to 60	
Storage	< 1 year	-20 to 35	
	< 6 months	-20 to 45	
	< 1 month	-20 to 55	
	< 1 week	-20 to 65	

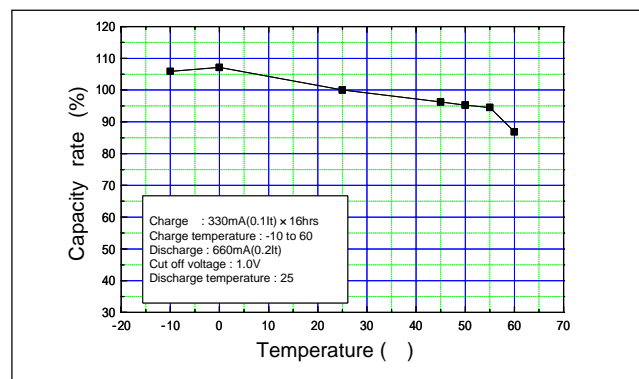
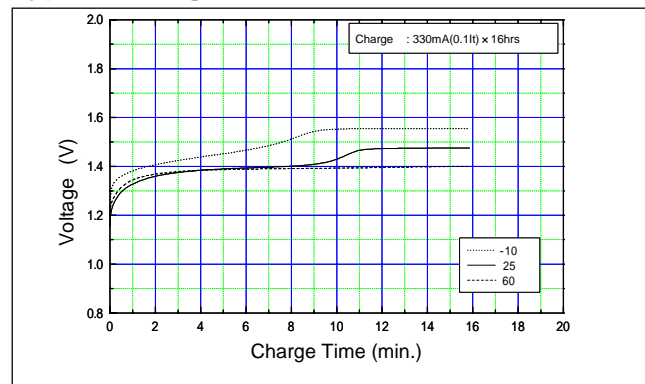
* After charging at 0.1It for 16 hours,discharging at 0.2It.

** For reference only.

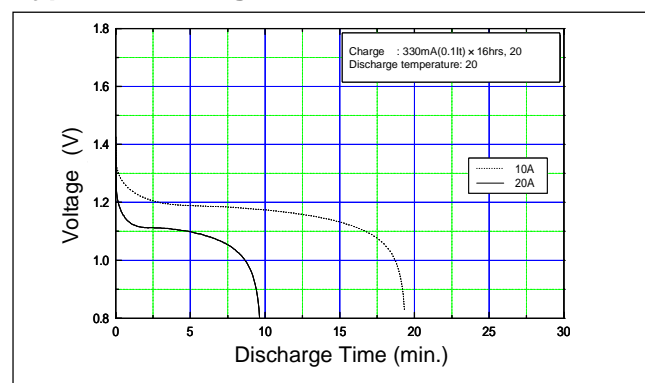
*** Need specially designed control system.

Please contact Panasonic for details.

Typical Charge Characteristics



Typical Discharge Characteristics



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 design.