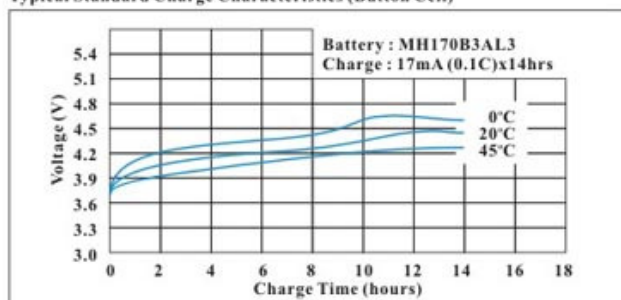


# RECHARGEABLE MEMORY BACKUP BATTERY

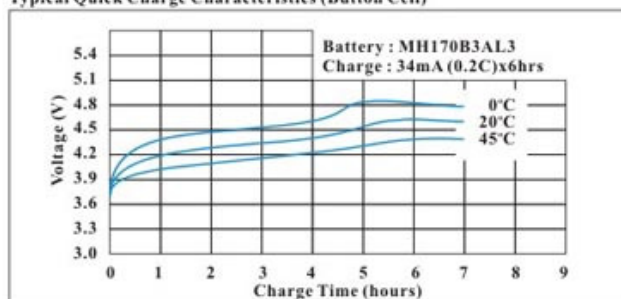
## SPECIFICATIONS

Model	:	MH170B3AL3
Description	:	NiMH rechargeable button cell battery
Nominal Capacity	:	170 mAh at 34mA rate discharge (3 cycles allowed)
Nominal Voltage	:	3.6 Volt (After Charge)
Cut-Off Voltage	:	3.0 Volt
End of Charge Voltage	:	$\leq 4.8$ Volt
End of Discharge Voltage	:	$\geq 2.7$ Volt
Weight	:	27 gram
Life Duration	:	$\geq 500$ cycles (Comply to IEC 61951-2 2nd Ed. 2003-04)
Charge	:	Trickle - 5.1-8.5 mA Standard - 17 mA x 14 hours Quick - 34 mA x 6 hours (with cut-off control)
Recharge	:	Every 3-6 months recommended
Temperature Environment	:	Charge - 0 degC to 45 degC Discharge - -10 degC to 45 degC Storage - -20 degC to 55 degC
Trickle Charge	:	5.1mA for 28 days, no leakage, no explosion
Charge Retention	:	$>60\%$ for 28 days storage after standard charge
Leakage	:	No leakage, No explosion under standard operating condition
Vibration	:	Battery remain normal after vibration at Amp: 4mm; Freq.: 1000/min for 60 min.
Shock	:	Battery remain normal after dropping from 450mm to an Oak board for 3 times

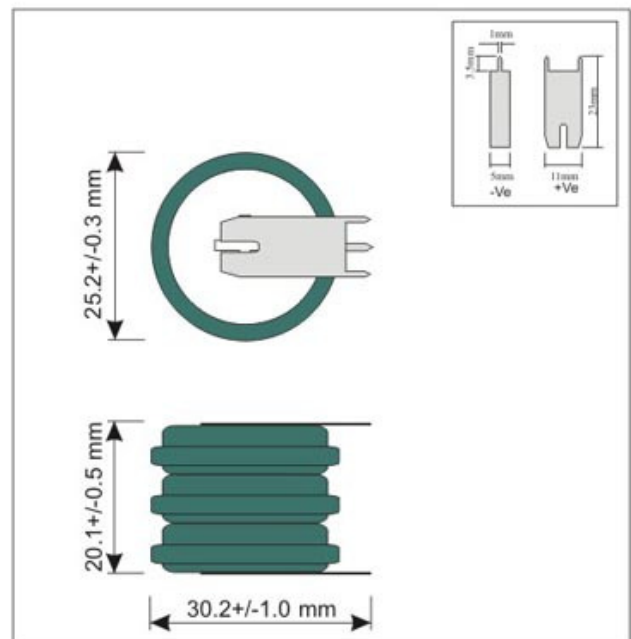
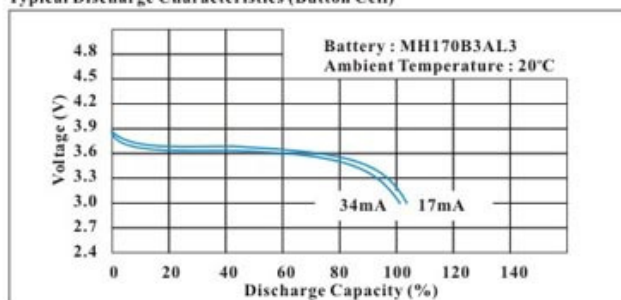
Typical Standard Charge Characteristics (Button Cell)



Typical Quick Charge Characteristics (Button Cell)



Typical Discharge Characteristics (Button Cell)



Typical Storage Characteristics (Button Cell)

