

Power-Xtra LIR2032-1HF - 3.6V 40 mAh Li-ion Button Battery - Bulk

SPECIFICATIONS OF SINGLE CELL

Type Li-ion Buton

Model LIR2032-1HF

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.6V	
Typical Capacity	40 mAh	Standard discharge with load 15k Ω
Standard Charge/Discharge Characteristics	0.5C	Temperature 20 \pm 1 $^{\circ}$ C, CC charge at 0.5CmA to 4.20V; turn to CV charge; Terminate charging when the charging current value is less than 0.05CmA.
Fast Charge/Discharge	1.0C	Temperature 20 \pm 5 $^{\circ}$ C, CC charge at 1.0CmA to 4.20V; turn to CV charge; Terminate charging when the charging current value is less than 0.05CmA.
Temperature Characteristics	-	In a temperature of 20 \pm 5 $^{\circ}$ C, CC charge 0.5CmA / voltage up to 4.20V; Then CV charge. Terminate charging when the charging current value is less than 0.05CmA. Rest for no more than 60 minutes, Discharge CC at 0.5CmA to 2.75V.
Storage temperature	-	20 $^{\circ}$ C \pm 1
Cycle Life	500 Times	Under normal usage, the cycle life of the battery can be \geq 500 circles while with capacity \geq 80%
Low self-discharge rate	\leq 7%	\leq 7%/month

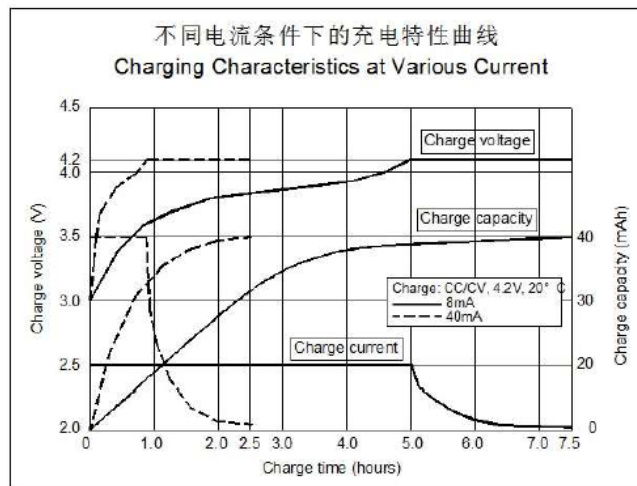
IMPORTANT NOTES

When the battery is stored and not used under room temperature for over 6 months, it needs to be recharged by the procedure below:

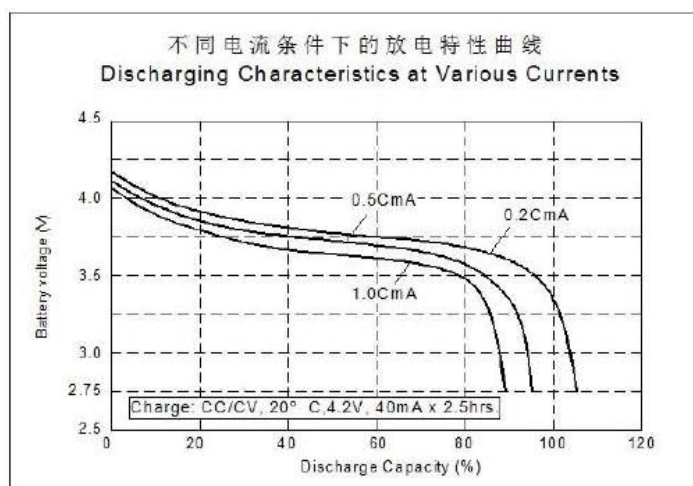
- 1) Discharge by CC mode at 0.2CmA to 2.75V, then rest for 5 minutes
- 2) Charge by CC mode at 0.2CmA to 4.20V limit, then change to CV charge mode,
- 3) Cut off the charge when the charging current is less than 0.05CmA.

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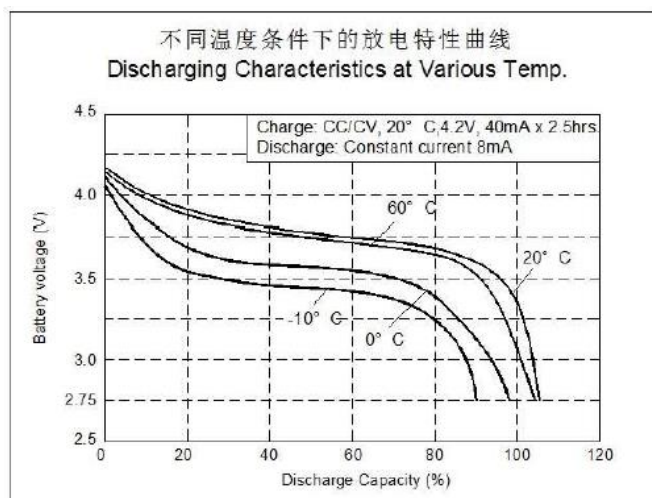
Chargin Charecteristics at Various Currents



Discharge Characteristics



Temperature Characteristics



Cycle Characteristics

