

## Power-Xtra LIR-3032/F2N3V Li-ion Battery

### SPECIFICATIONS OF SINGLE CELL

Type	Li-ion Buton
Model	LIR3032, LIR-3032

### TECHNICAL INFORMATIONS

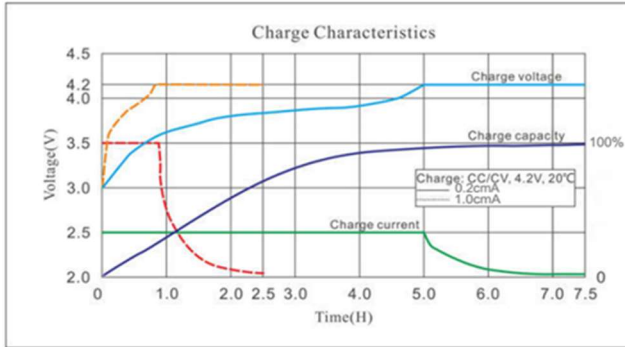
Item	Specifications	Conditions
Nominal Voltage	3.7V	
Typical Capacity	180 mAh	Standard discharge with load 15k $\Omega$
Standard Charge/Discharge Characteristics	-	In a temperature of 25°C, CC charge 0.2CmA / voltage up to 4.20V; Then CV charge. Terminate charging when the charging current value is less than 0.05CmA. Rest for no more than 10 minutes, Discharge CC at 0.2CmA to 2.75V.
Fast Charge/Discharge	-	Temperature 25°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, rest for no more than 10 minutes, then at 1CmA CC discharge to 2.75V.
Temperature Characteristics	-	Continuous discharge with load 30k $\Omega$ , till 2.0v end-voltage at 20~25°C
Storage temperature	-	20°C $\pm$ 1
Cycle Life	<b>300 Times</b>	Under the condition of standard discharge, the cycle life of the battery can be $\geq$ 300 circles while with capacity $\geq$ 80%
Low self-discharge rate	$\leq$ 3%	$\leq$ 3%/month

### IMPORTANT NOTES

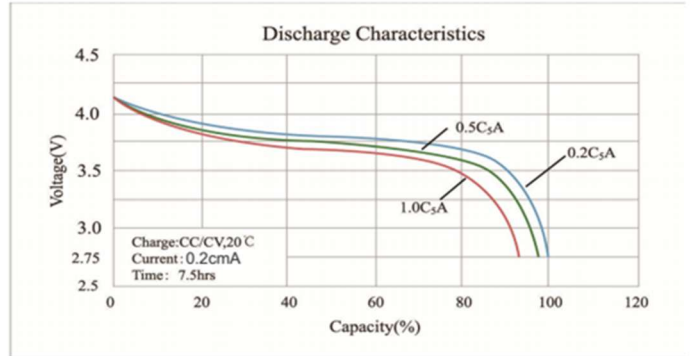
- When the battery is stored and not used under room temperature for over 6 months, it needs to be recharged by the procedure below
  1. Discharge by CC mode at 0.2CmA to 2.75V, then rest for 5 minutes
  2. Charge by CC mode at 0.2CmA to 4.20V limit, then change to CV charge mode,
  3. Cut off the charge when the charging current is less than 0.05CmA.

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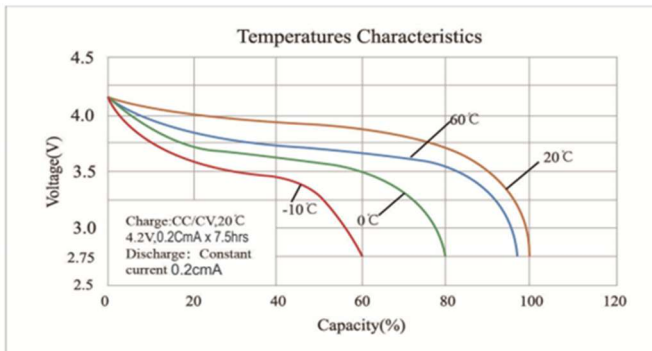
### Chargin Charceteristics at various currents



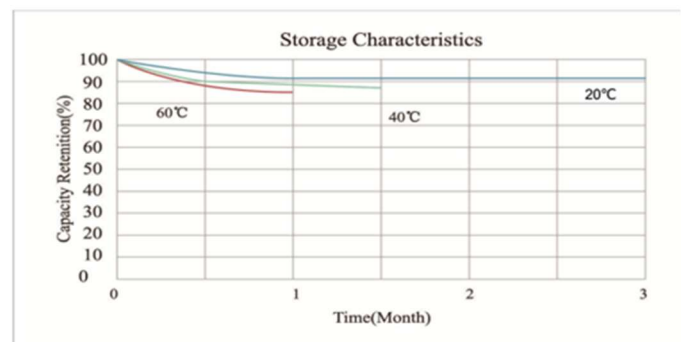
### Discharge Characteristics



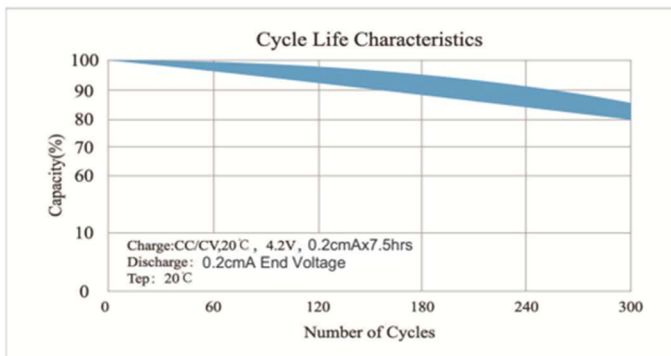
### Temperature Characteristics



### Pulse Discharge Characteristics



### Cycle Characteristics



### Pin Type

