

ICP633027-SC

Rechargeable Li-ion Battery 3.7V
Swiss Made

Technical Data Sheet



Specifications (Battery with Safety Circuit RSC Li-10)

Dimensions 1)	Thickness	6.30 +/-0.2 mm
	Width	30.00 +/-0.2 mm
	Height	28.20 +/-0.2 mm
Typical Capacity 2)	345 mAh	
Nominal Capacity	330 mAh	
Nominal Voltage 2)	3.7V	
Voltage Range	4.20V - 2.75V	
Weight 1)	10.1 g	
Casing	Aluminum lid and case (positive terminal)	
Energy Density (Volumetric) 2)	240 Wh/l	
– Bare cell (without Safety Circuit)	251 Wh/l	
Energy Density (Gravimetric) 2)	126 Wh/kg	
– Bare cell (without Safety Circuit)	126 Wh/kg	

1) of a fresh cell (including safety circuit)

2) charging condition: CCCV, 4.2V, max. 1C, 3 hours or C/20 at 23°C - 0.2C mA discharge current, COV 3.0V at 23°C

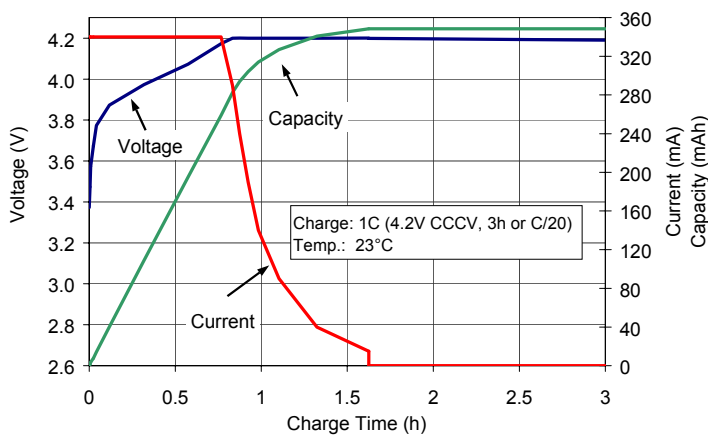
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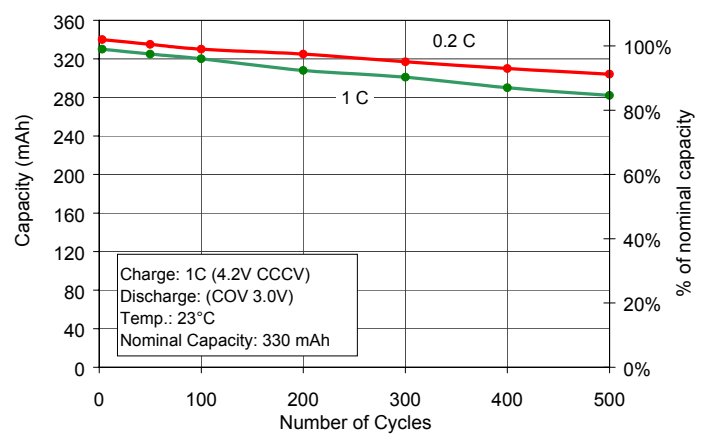
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Typical Battery Performance

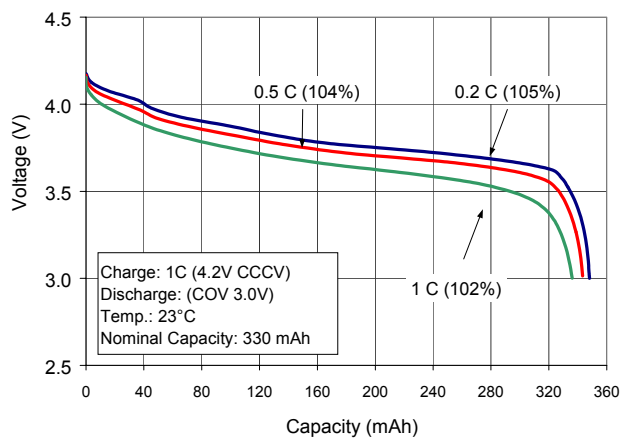
Charge Characteristics



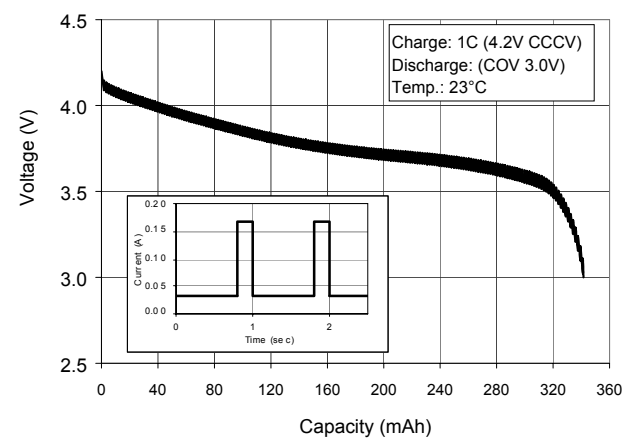
Cycle Life



Discharge Characteristics



GPS Characteristics



Warnings

RENATA batteries are equipped with a safety vent having a special solder with a melting point of about 100°C.

If a cell is used in abnormal conditions causing a rise of temperature (i.e. short circuit, over-charge, abusive storage at temperature higher than 100°C), the solder melts and allows release of the pressure in the cell.

Therefore,

- Solder only to the pads of the safety circuit, max. 350°C for 3 seconds.
- Avoid blocking or impairing the action of the safety vent on the cell.

For more information, please ask for RENATA's instructions for battery connection.