

ICP582930PR-01

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
 Safety Circuit, Connector, **IEC62133 certified**

Specifications

Renata Type	ICP582930
IEC Designation	ICP073032
Part Number	100650
Contact method	Wire AWG30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Nominal Capacity	450 mAh
Minimum Capacity	430 mAh (0.2C cut off 3.0 V at 20°C)

Internal Impedance < 250 mΩ / 30% SOC

Thickness (t)	Max 6.2 mm
Length (l)	Max 32.0 mm
Width (w)	Max 29.5 mm
Weight	~ 9.1 g

Charging Characteristic

Charging Characteristic	CC/CV – Constant Current / Constant Voltage
Voltage	4.2 V CV
Current Normal	0.5 C CC – 225 mA
Max. Charging Current	1.0 C CC – 450 mA
Temperature at Charging	0 °C 45 °C

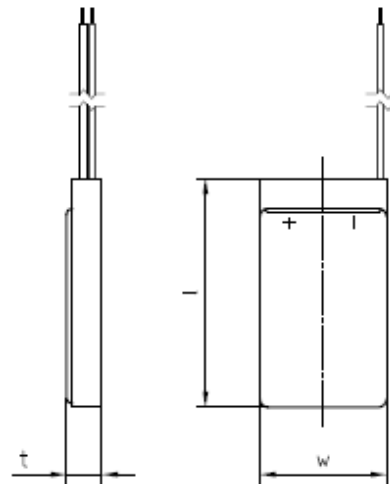
Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 900 mA (for non continues discharge) 1.0 C – 450 mA (for continues discharge)
Temperature during Discharge	-20 °C ... 60 °C

Cycle Life at Room Temperature > 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)

Storage Temperature -20 °C ... 45 °C
 (0 °C ... 30 °C recommended in case of storage for more than 3 months)

Dimensions



Information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without notice. For most current information and further details, please contact your Renata representative. For safety related information please consult the ASDS document related to that product or product family. The Products of Renata SA are neither designed nor authorized for use in certain areas of application of environment. For further details we refer to our webpage www.renata.com/downloads/restriction_of_use