

RRC1120

Standard Battery Pack Li-Ion

3.60V / 2.35Ah / 8.46Wh

P/N: 110018



Features

- Off-the-shelf single cell pack with high-energy density in a slim and compact design
- Allows to develop smaller and lightweight portable devices with long runtime, lower NRE costs and shorter time to market
- Fuel Gauge based on Impedance Tracking™ delivers accurate Time-To-Empty & Remaining Capacity predictions over the life time
- I²C communication
- Temperature protection via Fuel Gauge
- Comprehensive charging/discharging and passive safety systems
- Worldwide approvals
- Registered with recycling systems worldwide



Applications

Suitable for use with hand held compact devices in industrial and medical areas, etc.

Specification

General	
Delivery status battery capacity	<30%
Compliance information	IEC62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / BMSI / TISI / UN38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max. -20°C to 25°C recommended
Electrical Parameters	
Nominal voltage	3.60V
Nominal capacity	2.35Ah
Initial impedance	<100mΩ @ 1kHz at 25°C
Max. charge current	1.59A
Max. charge voltage	4.20V
Max. discharge	2.30A
Life expectancy @ 25°C	500 cycles with ≥ 53% of initial capacity CC/CV Charge: 1.59A / 4.20V Discharge: 2.27A down to 2.75V @25°C
Battery Dimensions	
Length	52.50mm +0.20/-0.20
Width	34.95mm +0.15/-0.15
Thickness	11.15mm +0.10/-0.10
Weight	42g
Contacts	SCL, +, SDA (ID), -
Ingress protection	IP40
Safety Parameters PCM	
Overcharge detection voltage	4.25V
Overdischarge detection voltage	2.75V
Overcharge detection current	2.00A
Overdischarge detection current	2.50A

Recommended Accessories

Type		Product	P/N	Application
Standard Battery Charger		RRC-SCC1120	110001	5.00W standard battery charger for optimized charging process with external power supply for worldwide use.
Battery Mating Connector		RRC-MC11-90-2	210520	Mating Connector for standard semi smart batteries RRC1120, RRC1130. Available for 90° PCB mounting.

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