

RRC1120

Standard Battery Pack Li-Ion

3.70V / 2.00Ah / 7.40Wh

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 by NTC
- 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	max. 30%
Compliance information	IEC62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / 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 20°C recommended

Electrical Parameters	
Nominal voltage	3.70V
Nominal capacity	2.00Ah
Initial impedance	<100.00mΩ @ 1kHz at 20°C
Max. charge current	1.10A
Max. charge voltage	4.20V
Max. discharge	2.00A
Life expectancy @ 25°C 1.00A Charge/1.00A Discharge	>300 cycles with ≥ 80% of initial capacity

Battery Dimensions	
Length	52.50mm ±0.40mm
Width	34.78mm ±0.40mm
Thickness	11.30mm max.
Weight	42g
Contacts	+, -, SDA (NTC), SCL

Safety Parameters PCM	
Overcharge detection voltage	4.28V
Overdischarge detection voltage	2.80V
Overcharge detection current	1.36A
Overdischarge detection current	2.27A

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.

Germany/Headquarters

RRC power solutions GmbH
Technologiepark 1
66424 Homburg / Saar

Tel.: +49 6841 98090
Fax: +49 6841 9809280
Email: sales@rrc-ps.de
Web: www.rrc-ps.de

USA

RRC power solutions Inc.
18340 Yorba Linda Blvd.,
107-437 Yorba Linda,
CA 92886-4104

Tel.: +1 714 777 3604
Fax: +1 714 777 3658
Email: usa@rrc-ps.com
Web: www.rrc-ps.com

Hong Kong

RRC power solutions Ltd.
S-V,6/F, Valiant Industrial
Centre 2-12 Au Pui Wan Street
Fo Tan, N.T., Hong Kong

Tel.: +852 2376 0106
Fax: +852 2375 0107
Email: hkrcc@rrc-ps.cn
Web: www.rrc-ps.com

China

RRC power solutions Ltd.
Room 1306, C Building,
Tianan International building,
Renmin South Road, Luohu
District, Shenzhen 518021

Tel.: +86 755 8374 1908
Fax: +86 755 8374 1861
Email: hkrcc@rrc-ps.cn
Web: www.rrc-ps.com