



**Standard battery pack RRC1120 (1S1P)
with 3.70V / 2000mAh / 7.4Wh**

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 control 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 for industrial and medical areas, etc.





Specification

General		Electrical Parameters	
Delivery status	30%	Nominal voltage	3.7V
battery capacity		Nominal capacity	2000mAh
Compliance information	CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / IEC 62133 / UN 38.3 / RoHS / REACH / BIS / TIS 2217-2548	Initial impedance	<100mΩ @ 1kHz at 20°C
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Max. charge current	1100mA
Storage temperature	-20°C to 60°C max. -20°C to 20°C recommended	Max. charge voltage	4.2V
		Max. discharge	2000mA
		Life expectancy @25°C	>300 cycles with
		1.0A Charge/1.0A Discharge	min 80% of initial capacity

Battery Dimensions		Safety Parameters PCM	
Length	52.5mm±0.4	Overcharge detection voltage	4280mV
Width	34.78mm±0.4	Overdischarge detection voltage	2800mV
Thickness	11.3mm max.	Overcharge detection current	1360mA
Weight	42g	Overdischarge detection current	2270mA
Contacts	+, -, SDA (NTC), SCL		

Recommended Accessories

Type		Product	Application
Standard Battery Charger		RRC-SCC1120	5W standard battery charger for optimized charging process with external power supply for worldwide use.
Battery Mating Connector		RRC-MC11-90-2	Mating Connector for standard semi smart batteries RRC1120, RRC1130. Available for 90° PCB mounting.

Germany/Headquarters

RRC power solutions GmbH
Technologiepark 1
D-66424 Homburg / Saar

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

USA

Emerging Power, Inc.
200 Holt Street,
Hackensack, NJ 07601

Tel.: + 1 201 441 3590
Fax: + 1 201 441 3592
Email: vmiller@emergingpower.com
Web: www.emergingpower.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: hkrrc@rrc-ps.cn
Web: www.rrc-ps.com

China

RRC power solutions Ltd.
Room 520, Yuanlin Building,
Aiguo Road No. 3066,
Luohu District,
Shenzhen 518021

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