

# Technical Data Sheet

## Rechargeable Lithium-ion Battery Pack RRC1120



### Standard Li-ion 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
- I<sup>2</sup>C 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		

Germany/Headquarters	USA	Hong Kong	China
RRC power solutions GmbH Technologiepark 1 D-66424 Homburg / Saar	RRC power solutions Inc. 18340 Yorba Linda Blvd., Suite 107-437 Yorba Linda, CA 92886-4104	RRC power solutions Ltd. S-V,6/F, Valiant Industrial Centre 2-12 Au Pui Wan Street Fo Tan, N.T., Hong Kong	RRC power solutions Ltd. Room 520, Yuanlin Building, Aiguo Road No. 3066, Luohu District, Shenzhen 518021
Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	Tel.: +852 2376 0106 Fax: +852 2375 0107 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com	Tel.: +86 755 8374 1908 Fax: +86 755 8374 1861 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com

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### Recommended Accessories

Type	Product	Application
Desktop Battery Charger	RRC-SCC1120	5W standard desktop battery charger for optimized charging process with external power supply for worldwide use.



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Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	Tel.: +852 2376 0106 Fax: +852 2375 0107 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com	Tel.: +86 755 8374 1908 Fax: +86 755 8374 1861 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com