

# Technical Data Sheet

## Rechargeable Lithium-ion Battery Pack RRC1130



### Standard Li-ion battery pack RRC1130 (1S1P) with 3.80V / 3880mAh / 14.7Wh

#### 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 in industrial and medical areas, etc.

## Specification

General		Electrical Parameters	
Delivery status	30%	Nominal voltage	3.8V
battery capacity		Nominal capacity	3880mAh
Compliance information	CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / IEC 62133 / UN 38.3 / RoHS / REACH / BIS / TIS 2217-2548	Initial impedance	<60mΩ @ 1kHz at 20°C
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Max. charge current	2400mA
Storage temperature	-20°C to 60°C max. -20°C to 20°C recommended	Max. charge voltage	4.35V
		Max. discharge	3000mA
		Life expectancy @25°C	>300 cycles with
		1.9A Charge/0.75A Discharge	min 85% of initial capacity
Battery Dimensions		Safety Parameters PCM	
Length	83.7mm±0.5	Overcharge detection voltage	4400mV
Width	61.03mm±0.4	Overdischarge detection voltage	2800mV
Thickness	6.8mm max.	Overcharge detection current	3000mA
Weight	69g	Overdischarge detection current	4000mA
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-SCC1130	5W standard desktop battery charger for optimized charging process with external power supply for worldwide use.



#### 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

RRC power solutions Inc.  
18340 Yorba Linda Blvd.,  
Suite 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: 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