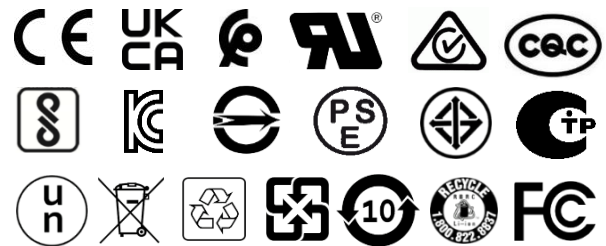


## RRC1130

Standard Battery Pack Li-Ion  
3.80V / 3.81Ah / 14.47Wh



Picture only for reference



### Features

- Worldwide approvals and certification of safety standards
- No development costs, fast time-to-market
- Smart battery with numerous features and I<sup>2</sup>C communication
- State-of-the-art lithium-ion cell with the market’s highest energy density
- High discharge performance
- JEITA charging profile optimization
- Numerous and redundant safety features
- Increased ESD protection up to 8.00kV
- Up to 80% of initial capacity after 800 cycles



### Applications

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

## Specification

General	
Delivery status battery capacity	<30%
Compliance information	IEC 62133 / CE / UL2054 / FCC / CAN ICES-003(B) / NMB-003(B) / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CQC / RCM / BIS / TISI / UN 38.3 / 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
P/N	110019
Electrical Parameters	
Nominal voltage	3.80V
Nominal capacity	3.81Ah
Initial impedance	<60mΩ @ 1kHz at 25°C
Max. charge current	2.40A
Max. charge voltage	4.35V
Max. discharge current	3.00A
Battery Dimensions	
Length	83.95mm +0.25/-0.25
Width	61.23mm +0.20/-0.20
Thickness	6.73mm +0.10/-0.10
Weight	65g
Contacts	-, SDA (NTC), +, SCL
Ingress protection	IP40
Safety Features	
CUV (Cell Under Voltage)	Protection against deep discharge
COV (Cell Over Voltage)	Protection against over charge

**Recommended Accessories**

Type	Product	P/N	Application
Desktop Battery Charger 	RRC-SCC1130	110002	5.00W standard desktop 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.com

**USA**

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

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.cn

**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: hkrrc@rrc-ps.cn  
Web: www.rrc-ps.cn