

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
- 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 in industrial and medical areas, etc.

Specification

General	
Delivery status	30%
battery capacity	
Compliance information	CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / IEC 62133 / UN 38.3 / RoHS / REACH / BIS
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	3.8V
Nominal capacity	3880mAh
Initial impedance	<60mΩ @ 1kHz at 20°C
Max. charge current	2400mA
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	
Length	83.7mm±0.5
Width	61.03mm±0.4
Thickness	6.8mm max.
Weight	69g
Contacts	+, -, SDA (NTC), SCL

Safety Parameters PCM	
Overcharge detection voltage	4400mV
Overdischarge detection voltage	2800mV
Overcharge detection current	3000mA
Overdischarge detection current	4000mA

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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.



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