



**Standard 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		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 min 85% of initial capacity
		1.89A Charge/3.78A Discharge	

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		

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.
Battery Mating Connector		RRC-MC11-90-2	Mating Connector for standard semi smart batteries RRC1120, RRC1130. Available for 90° PCB mounting.

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