

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
- 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 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		

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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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