

RRC1130

Standard Battery Pack Li-Ion

3.80V / 3.88Ah / 14.70Wh

P/N: 110019



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 battery capacity	30%
Compliance information	IEC 62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / 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 20°C recommended

Electrical Parameters	
Nominal voltage	3.80V
Nominal capacity	3.88Ah
Initial impedance	<60mΩ @ 1kHz at 20°C
Max. charge current	2.40A
Max. charge voltage	4.35V
Max. discharge	3.00A
Life expectancy @ 25°C 1.89A Charge/3.78A Discharge	>300 cycles with ≥ 85% of initial capacity

Battery Dimensions	
Length	83.70mm +0.5/-0.5
Width	61.03mm +0.4/-0.4
Thickness	6.80mm max.
Weight	69g
Contacts	+, -, SDA (NTC), SCL

Safety Parameters PCM	
Overcharge detection voltage	4.40V
Overdischarge detection voltage	2.80V
Overcharge detection current	3.00A
Overdischarge detection current	4.00A

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.

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