RRC1130

Standard Battery Pack Li-Ion
3.80V / 3.81Ah / 14.47Wh
P/N: 110019



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 I²C 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, e.g.:
  - CUV (Cell Under Voltage), protection against deep discharge
  - COV (Cell Over Voltage), protection against over charge
- Increased ESD protection up to 8.00kV
- Life expectancy: 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 / 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

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 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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