RRC1120

Standard Battery Pack Li-Ion
3.60V / 2.35Ah / 8.46Wh
P/N: 110018



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
  - OTC (Over Temperature in Charge): protection against overheating while charging
  - OTD (Over Temperature in Discharge): protection against overheating during discharging
- 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 / 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	3.60V
Nominal capacity	2.35Ah
Initial impedance	<100mΩ @ 1kHz at 25°C
Max. charge current	1.59A
Max. charge voltage	4.20V
Max. discharge current	2.30A

Battery Dimensions	
Length	52.50mm +0.20/-0.20
Width	34.95mm +0.15/-0.15
Thickness	11.15mm +0.10/-0.10
Weight	42g
Contacts	SCL, +, SDA (ID), -
Ingress protection	IP40

Safety Parameters PCM	
Overcharge detection voltage	4.25V
Overdischarge detection voltage	2.75V
Overcharge detection current	2.00A
Overdischarge detection current	2.50A

Recommended Accessories

Type		Product	P/N	Application
Standard Battery Charger		RRC-SCC1120	110001	5.00W standard 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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