

RRC1120

Standard Battery Pack Li-Ion

3.60V / 2.35Ah / 8.46Wh

P/N: 110018



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
- Increased ESD protection up to 8.00kV
- 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 / CAN ICES-003(B) / NMB-003(B) / 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 | 3.60V |
| 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 Features | |
|-------------------------------------|---|
| 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 |

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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