

RRC2130

Standard Battery Pack Li-Ion

7.60V / 3.88Ah / 29.50Wh

P/N: 110088



Features

- Slim and flat standard battery pack with higher capacity and lower height than round cell packs with similar energy
- Allows to develop smaller and thinner portable devices with long runtime
- SMBus & SBDS Rev 1.1 compliant
- Fulfills JEITA standards, advanced temperature-dependent charging profile
 - Fastest charging
 - Maximized cycle life
- Impedance tracking and cell balancing
 - No manual recalibration necessary
 - Longest lifetime
- Comprehensive charging/discharging and passive safety systems
- Worldwide approvals and certification of safety standards
- Registered with recycling systems worldwide
- Life expectancy: Up to 80% of initial capacity after 800 cycles

Applications

Suitable for use in slim devices for industrial and medical applications, etc.

Specification






| General | |
|----------------------------------|--|
| Delivery status battery capacity | <30% |
| Compliance information | IEC62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / TISI / BSMI / UN38.3 / 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 | 7.60V |
| Nominal capacity | 3.88Ah |
| Initial impedance | <200mΩ @ 1kHz at 20°C |
| Max. charge current | 2.70A |
| Max. charge voltage | 8.70V |
| Cont. discharge | 3.78A |
| Max. discharge | 5.67A |

| Battery Dimensions | |
|--------------------|----------------------|
| Length | 150.60mm +0.50/-0.50 |
| Width | 86.20mm +0.40/-0.40 |
| Thickness | 8.35mm +0.25/-0.25 |
| Weight | 172g |
| Contacts | +, +, C, D, T, -, - |
| Ingress protection | IP40 |

| Safety Parameters PCM | |
|--|-------|
| Overcharge detection voltage / cell | 4.39V |
| Overcharge release voltage / cell | 4.20V |
| Overdischarge detection voltage / cell | 2.75V |
| Overdischarge release voltage / cell | 3.25V |
| Overcharge detection current | 3.10A |
| Overdischarge detection current | 6.00A |

Recommended Accessories

| Type | Product | P/N | Application |
|--------------------------|--|--------------------------------------|---|
| Standard Battery Charger |  RRC-SMB-FPC | 110083 | 40.00W standard battery charger for optimized charging process with external power supply for world-wide use. |
| Power Supply AC/DC |  PS65 | 210919 | External power supply (worldwide use) for embedded battery charger RRC-PMM240 or for mobile devices. Included in RRC-SMB-FPC. |
| AC Power Cable |  US-Version EU-Version UK-Version AU-Version | 210950 210951 211333 211334 | Country specific power cable for PS65. |
| Car Adapter DC/DC |  RRC-SMB-CAR | 110041 | 90.00W car adapter with USB charging port. Power supplying in cars and trucks for RRC-SMB-FPC, RRC-PMM240 or mobile devices |
| Battery Mating Connector |  RRC-MC21-90-10 RRC-MC21-90-20 | 211268 211278 | Mating Connector for standard smart batteries RRC2130, RRC2140. Available for 90° PCB mounting (top and edge). |

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