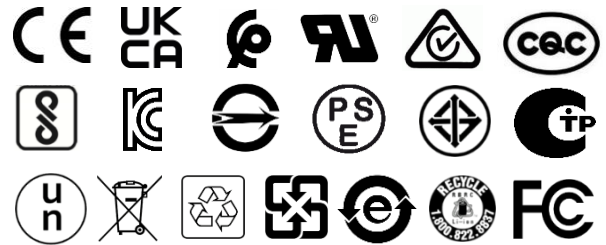


RRC2037

Standard Battery Pack Li-Ion
7.20V / 3.35Ah / 24.12Wh



Features

- Worldwide approvals and certification of safety standards
- No development costs, fast time-to-market
- Smart batteries with numerous features according to the SMBus specification
- Integrated LED State of Charge (SoC) indicator
- State-of-the-art lithium-ion cells with the market's highest energy density
- High discharge performance
- JEITA charging profile optimization
- Numerous and redundant safety features
- Battery Life Management: increased protection in case of cell ageing
- Increased ESD protection up to 8.00kV
- Up to 80% of initial capacity after 800 cycles

Applications

Suitable for use with tablet PC's, notebooks, industrial and medical devices, etc.

Specification

| General | |
|----------------------------------|---|
| Delivery status battery capacity | <30% |
| Compliance information | IEC 62133 / CE / UL2054 / CAN ICES-003(B) / NMB-003(B) / 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 50°C max. -20°C to 25°C recommended |
| P/N | 110133 |




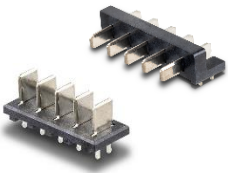
| Electrical Parameters | |
|------------------------|---------------------------|
| Nominal voltage | 7.20V |
| Nominal capacity | 3.35Ah |
| Initial impedance | Max. 120mΩ @ 1kHz at 25°C |
| Max. charge current | 2.03A |
| Max. charge voltage | 8.40V |
| Max. discharge current | 4.50A |

| Battery Dimensions | |
|--------------------|---------------------|
| Length | 85.39mm +0.40/-0.40 |
| Width | 41.99mm +0.40/-0.40 |
| Thickness | 22.40mm +0.40/-0.25 |
| Weight | 124g |
| Contacts | +, D, C, T, - |
| 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-SBC2037 | | 12.00W standard battery charger for optimized charging process of RRC2037. With external power supply for worldwide use. |
| | EU-Version | 110197 | |
| | US-Version | 110198 | |
| | AU-Version | 110199 | |
| | KC-Version | 110200 | |
| | CC-Version | 110201 | |
| UK-Version | 110202 | | |
| Standard Battery Charger  | RRC-SMB-UBC | 100485 | 60.00W standard battery charger for optimized charging process. With external power supply for worldwide use. |
| | RRC-SMB-UBC-M | 110105 | |
| Standard Battery Charger  | RRC-SMB-MBC | 110017 | 50.00W standard battery charger for optimized charging process. With external power supply for worldwide use. |
| | RRC-SMB-MBC-M | 110104 | |
| Standard Battery Charger  | RRC-SMB-DBC | 110111 | Dual bay standard battery charger for optimized charging process. With external power supply for worldwide use. |
| Power Management Module  | RRC-PMM240 | 100576 | Power management module for smart battery charging with automatic power source selection. Fits to all RRC20xx standard smart batteries. |
| 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-UBC/MBC. |
| 3-pol AC-Cable  | US-Version | 210950 | Country specific power cable for PS65. |
| | EU-Version | 210951 | |
| | UK-Version | 211133 | |
| | AU-Version | 211134 | |
| | CN-Version | 211959 | |

| Type | Product | P/N | Application |
|--|-----------------------------------|------------------|---|
| 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-UBC, RRC-SMB-MBC, RRC-PMM240 or mobile devices. |
| Design-In Tool  | SMBus-Reader | 100127 | Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface. |
| Battery Connector  | SMBus-Battery-Cable | 400665 | Extension cable for battery applications. Suitable for RRC204x and RRC205x batteries. |
| Battery Mating Connector  | RRC-MC20-90-10 RRC-MC20-180-10 | 210519 210518 | Mating connector for standard smart batteries from RRC. Suitable for RRC20xx batteries. Available for 90° or 180° PCB mounting. |

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