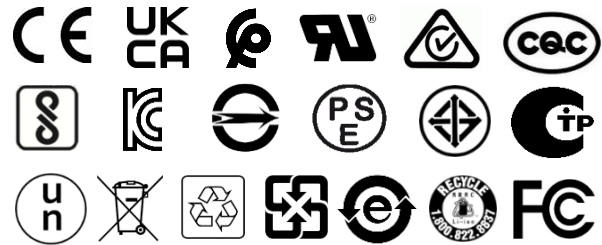


D92040-2

Standard Battery Pack Li-Ion
10.80V / $\geq 6.80\text{Ah}$ / $\geq 73.44\text{Wh}$



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 | 100559 |



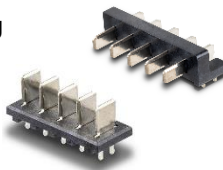
| Electrical Parameters | |
|------------------------|-----------------------|
| Nominal voltage | 10.80V |
| Nominal capacity | ≥6.80Ah |
| Initial impedance | <180mΩ @ 1kHz at 25°C |
| Max. charge current | ≥4.00A |
| Max. charge voltage | 12.60V |
| Max. discharge current | 7.50A |

| Battery Dimensions | |
|--------------------|----------------------|
| Length | 150.25mm +0.25/-0.25 |
| Width | 58.75mm +0.25/-0.25 |
| Thickness | 21.90mm +0.50/-0.25 |
| Weight | 336g |
| 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 |  SMB-UBC SMB-UBC-M | D90481 D90551 | 60.00W standard battery charger for optimized charging process. With external power supply for worldwide use. |
| Standard Battery Charger |  SMB-MBC SMB-MBC-M | D90515 D90539 | 50.00W standard battery charger for optimized charging process. With external power supply for worldwide use. |
| Standard Battery Charger |  SMB-DBC | D90552 | Dual bay standard battery charger for optimized charging process. With external power supply for worldwide use. |
| Power Management Module |  PMM240 | D90513 | Power management module for smart battery charging with automatic power source selection. Fits to all RRC20xx standard smart batteries. |
| Power Supply AC/DC |  PS65 | D90540 | 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 EU-Version UK-Version AU-Version CN-Version | D90564 210951 211133 211134 211959 | Country specific power cable for PS65. |
| Car Adapter DC/DC |  SMB-CAR | D90554 | 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. |

| Type | Product | P/N | Application |
|---|---------------------------|------------------|---|
| Design-In Tool  | SMBus-Reader | D90534 | Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface. |
| Battery Connector  | SMBus-Battery-Cable | D90508 | Extension cable for battery applications. Suitable for RRC204x and RRC205x batteries. |
| Battery Mating Connector  | MC20-90-10 MC20-180-10 | D90536 D90537 | Mating connector for standard smart batteries from RRC. Suitable for RRC20xx batteries. Available for 90° or 180° PCB mounting. |