RRC2024

Standard Battery Pack Li-Ion
14.40V / 6.60Ah / 95.00Wh

Picture only for reference

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

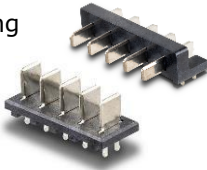| General	
Delivery status battery capacity	<30%
Compliance information	IEC 62133 / CE / UL2054 / CAN ICES-003(B) / NMB-003(B) / FCC / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CQC / RCM / BIS / TISI / UN 38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 50°C max. -20°C to 25°C recommended
P/N	100497

Electrical Parameters	
Nominal voltage	14.40V
Nominal capacity	6.60Ah
Initial impedance	<150mΩ @ 1kHz at 25°C
Max. charge current	4.53A
Max. charge voltage	16.80V
Max. discharge current	10.00A

Battery Dimensions	
Length	167.20mm +0.50/-0.50
Width	107.20mm +0.40/-0.30
Thickness	21.51mm +0.30/-0.50
Weight	600g
Contacts	+, C, D, T, -
Ingress protection	IP40

Safety Features	
CUV (Cell Under Voltage)	Protection against deep discharge
COV (Cell Over Voltage)	Protection against overcharge
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-SMB-UBC RRC-SMB-UBC-M	100485 110105	60.00W standard battery charger for optimized charging process. With external power supply for worldwide use.
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 EU-Version UK-Version AU-Version CN-Version	210950 210951 211133 211134 211959	Country specific power cable for PS65.
Car Adapter DC/DC		RRC-SMB-CAR	110041	90.00W car adapter with USB charging port. Power suppling 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	100127	Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface.
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.