

D92054-2

Standard Battery Pack Li-Ion
 14.40V / $\geq 6.80\text{Ah}$ / $\geq 97.92\text{Wh}$



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	110064

Electrical Parameters	
Nominal voltage	14.40V
Nominal capacity	≥6.80Ah
Initial impedance	<180mΩ @ 1kHz at 25°C
Max. charge current	≥3.40A
Max. charge voltage	16.80V
Max. discharge current	8.50A

Battery Dimensions	
Length	150.40mm +0.40/-0.40
Width	77.40mm +0.25/-0.25
Thickness	22.40mm +0.60/-0.40
Weight	440g
Contacts	+, C, D, 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



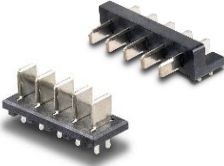
Recommended Accessories

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.

TECHNICAL DATA SHEET

D92054-2



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.

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