

RRC2037

Standard Battery Pack Li-Ion

7.20V / 2.90Ah / 20.90Wh

P/N: 110133



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 industrial and medical devices, etc.

Specification






General	
Delivery status battery capacity	<30%
Compliance information	IEC 62133 / CE / UL2054 / FCC / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CQC / RCM / BIS / 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



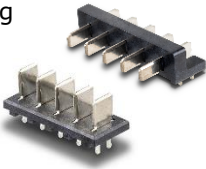
Electrical Parameters	
Nominal voltage	7.20V
Nominal capacity	2.90Ah
Initial impedance	<200mΩ @ 1kHz at 25°C
Max. charge current	2.03A
Max. charge voltage	8.40V
Max. discharge current	4.50A

Battery Dimensions	
Length	85.39mm +0.40/-0.40
Width	41.99mm +0.40/-0.40
Thickness	22.40mm +0.40/-0.25
Weight	121g
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 	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	211595	

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 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.

Germany/Headquarters

RRC power solutions GmbH
Technologiepark 1
66424 Homburg / Saar

Tel.: +49 6841 98090
Fax: +49 6841 9809280
Email: sales@rrc-ps.de
Web: www.rrc-ps.com

USA

RRC power solutions Inc.
18340 Yorba Linda Blvd.,
107-437
Yorba Linda, CA 92886

Tel.: +1 714 777 3604
Fax: +1 714 777 3658
Email: usa@rrc-ps.com
Web: www.rrc-ps.com

Hong Kong

RRC power solutions Ltd.
S-V,6/F, Valiant Industrial
Centre 2-12 Au Pui Wan Street
Fo Tan, N.T., Hong Kong

Tel.: +852 2376 0106
Fax: +852 2375 0107
Email: hkrrc@rrc-ps.cn
Web: www.rrc-ps.cn

China

RRC power solutions Ltd.
Room 1306, C Building,
Tianan International building,
Renmin South Road, Luohu
District, Shenzhen 518021

Tel.: +86 755 8374 1908
Fax: +86 755 8374 1861
Email: hkrrc@rrc-ps.cn
Web: www.rrc-ps.cn