

## 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




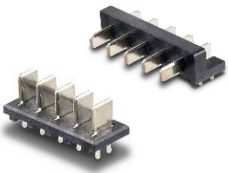
Type	Product	P/N	Application
Standard Battery Charger 	RRC-SBC2037		12.00W standard battery charger for optimized charging process of RRC2037. With external power supply for worldwide use.
	EU-Version	110197	
	US-Version	110198	
	AU-Version	110199	
	KC-Version	110200	
	CC-Version	110201	
UK-Version	110202		
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	

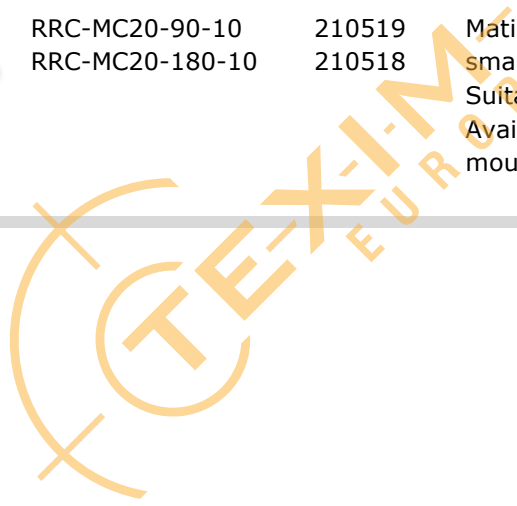
# TECHNICAL DATA SHEET

RRC2037

Distributed by:



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.



## 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

Distributed by: **Texim Europe**

**www.texim-europe.com**

## **Disclaimer**

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

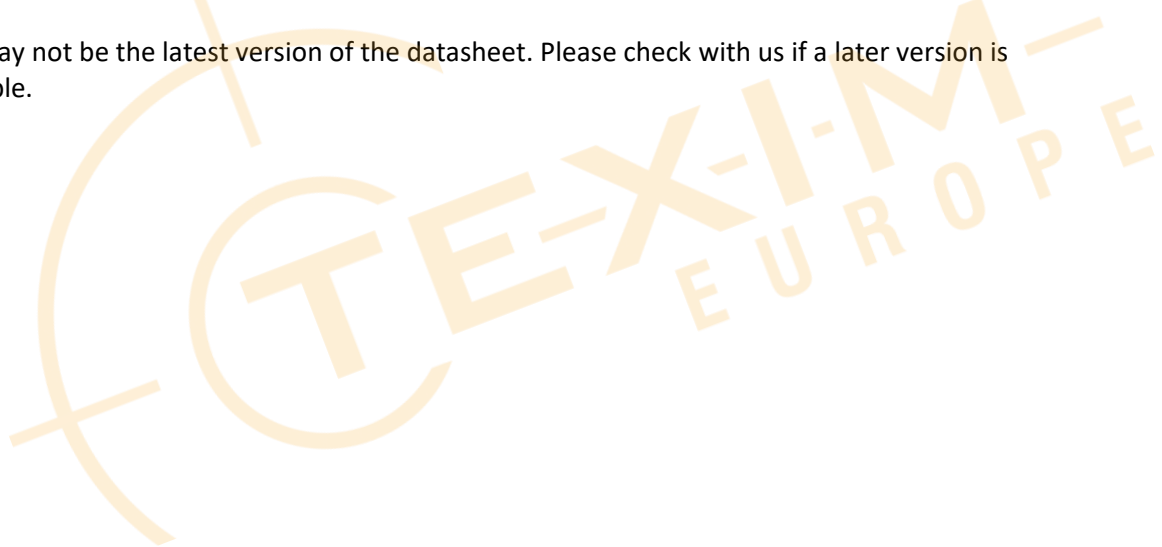
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





## Headquarters & Warehouse

Elektrostraat 17  
NL-7483 PG Haaksbergen  
The Netherlands

T: +31 (0)53 573 33 33  
E: info@texim-europe.com  
Homepage: www.texim-europe.com



### The Netherlands

Elektrostraat 17  
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33  
E: nl@texim-europe.com



### Belgium

Zuiderlaan 14, box 10  
B-1731 Zellik

T: +32 (0)2 462 01 00  
E: belgium@texim-europe.com



### UK & Ireland

St Mary's House, Church Lane  
Carlton Le Moorland  
Lincoln LN5 9HS

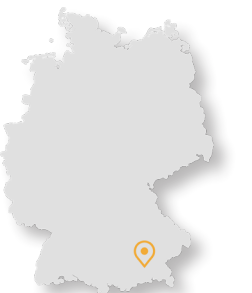
T: +44 (0)1522 789 555  
E: uk@texim-europe.com



### Germany - North

Bahnhofstrasse 92  
D-25451 Quickborn

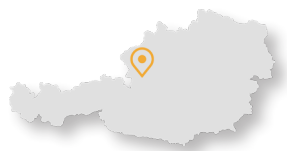
T: +49 (0)4106 627 07-0  
E: germany@texim-europe.com



### Germany - South

Martin-Kollar-Strasse 9  
D-81829 München

T: +49 (0)89 436 086-0  
E: muenchen@texim-europe.com



### Austria

Warwitzstrasse 9  
A-5020 Salzburg

T: +43 (0)662 216 026  
E: austria@texim-europe.com



### Nordic

Søndre Jagtvej 12  
DK-2970 Hørsholm

T: +45 88 20 26 30  
E: nordic@texim-europe.com



### Italy

Martin-Kollar-Strasse 9  
D-81829 München

T: +49 (0)89 436 086-0  
E: italy@texim-europe.com