

RRC-SBC2037

Standard battery charger

P/N:

110197 (EU Version for EU)

110198 (US Version for US, CA, JP)

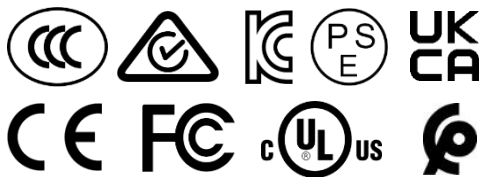
110199 (AU Version for AU, NZ)

110200 (KC Version for KR)

110201 (CC Version for CN)

110202 (UK Version)

Distributed by:



Features

- 12.00W single bay charger
- For the standard battery pack RRC2037
- Optimized charging process enables longer cycle life for RRC battery
- Simple operation – Plug and Play
- External wall plug power supply for worldwide use

Applications

Standard charging station for mobile devices used in medical, industrial and consumer markets

Specification

Input		
Voltage	11.00 – 14.00VDC	
Current	1.00A max.	
Protection	Over/under voltage, over current	
Output		
Voltage	8.40VDC	
Current	2.00A max.	
Voltage tolerance	±1% max.	
Current tolerance	±5% max. @1.00A	
Protection	Short circuit, over voltage, over current, charge timer	
Environmental		
	Operation:	Storage:
Ambient Temperature	0°C to 40°C	-20°C to 80°C
Pressure & Altitude	1060hPa to 795hPa -382m to 2000m	1060hPa to 533hPa -382m to 5000m
Humidity	10% to 90% r.H., non-condensing	5% to 95% r.H., non-condensing
General		
Indicator	LEDs on the RRC2037 battery are used for indication	
Battery types	Standard battery RRC2037	
Green procurement	REACH 1907/2006 RoHS 2011/65/EU, 2015/863/EU WEEE 2012/19/EU Chinese RoHS	
Cooling	convection cooled	
LED Indication on RRC2037 Battery		
Min. 1 LED is blinking	< 1min.: The inserted battery is of the correct type and is currently being charged.	
All 4 LEDs are on and switch off after 2min.	The battery is charged and can be removed for use.	
No LED is blinking after > 1min.	Inserted battery is defect Battery over/under temperature error Charger over temperature error Battery over voltage error Battery charge time-out error Input voltage out of range Charger defect	
Charger Mechanical Details		
Housing dimensions (LxWxH)	55.88 x 39.88 x 31.00mm	
Weight	34g (excluding power supply)	
Safety & EMC		
	In combination with included external AC/DC power supply	
Regulatory approvals	Europe	EN62368-1 (CE)
	International	IEC62368-1 (CB)
Electromagnetic Emissions	Europe	EN55035, EN55032, class B
	USA	FCC15 class B
	Canada	ICES-003, class B
Electromagnetic Immunity	Electrostatic discharge	EN/IEC61000-4-2
	RF electromagnetic fields	EN/IEC61000-4-3
	EFT / Burst	EN/IEC61000-4-4
	Surge	EN/IEC61000-4-5
	Conducted RF disturbance	EN/IEC61000-4-6
	Electromagnetic Fields	EN/IEC61000-4-8
	Voltage Dips and Interrupts	EN/IEC61000-4-11

Specification for external AC/DC power supply

Input		
Voltage	100.00 – 240.00VAC ±10%, 50-60Hz	
Current	0.30A max.	
Stand by power	No load < 0.10W	
Output		
Voltage	12.00VDC ±5%	
Power	12.00W cont.	
Current	1.00A max.	
Protection	Over current, short circuit	
General		
Efficiency	California's Energy Efficiency Level VI	
Line / Load regulation	±1% / ±5%	
Ripple & Noise	200.00mV (p-p)	
Power Supply Mechanical Details		
Standard output connector	DC barrel jack, 4.70 x 1.75mm	
Housing dimensions (LxWxH)	59.00 x 40.90 x 48.50mm for US/CA/JP 59.00 x 40.90 x 63.80mm for EU 59.00 x 40.90 x 55.80mm for UK 59.00 x 40.90 x 63.80mm for KR 59.00 x 40.90 x 52.20mm for AU 59.00 x 40.90 x 48.50mm for CN	
Weight	82g max.	
Cable length	1.00m	
Regulatory Approvals		
Approvals	Europe International USA & Canada Australia & New Zealand Korea China Japan United Kingdom Morocco	CE CB cULus RCM / SAA KC CCC PSE UKCA CMIM

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

The Netherlands



Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
F: +31 (0)53 573 33 30
E: nl@texim-europe.com

Belgium



Zuiderlaan 14 bus 10
B-1731 Zellik

T: +32 (0)2 462 01 00
F: +32 (0)2 462 01 25
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
F: +44 (0)845 299 22 26
E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
F: +49 (0)4106 627 07-20
E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
F: +49 (0)89 436 086-19
E: germany@texim-europe.com

Austria



Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
F: +43 (0)662 216 026-66
E: austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
F: +45 88 20 26 39
E: nordic@texim-europe.com

Italy



Via Matteotti 43
IT-20864 Agrate Brianza (MB)

T: +39 (0)39 971 3293
F: +39 (0)39 971 3293
E: italy@texim-europe.com

General information



info@texim-europe.com
www.texim-europe.com