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)



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

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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 International	EN62368-1 (CE) IEC62368-1 (CB)
Electromagnetic Emissions	Europe USA Canada	EN55035, EN55032, class B FCC15 class B ICES-003, class B
Electromagnetic Immunity	Electrostatic discharge RF electromagnetic fields EFT / Burst Surge Conducted RF disturbance Electromagnetic Fields Voltage Dips and Interrupts	EN/IEC61000-4-2 EN/IEC61000-4-3 EN/IEC61000-4-4 EN/IEC61000-4-5 EN/IEC61000-4-6 EN/IEC61000-4-8 EN/IEC61000-4-11

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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	CE
	International	CB
	USA & Canada	cULus
	Australia & New Zealand	RCM / SAA
	Korea	KC
	China	CCC
	Japan	PSE
	United Kingdom	UKCA
	Morocco	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

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