

RRC-SBC2037

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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:



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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	<table border="0"> <tr> <td>Europe</td> <td>CE</td> </tr> <tr> <td>International</td> <td>CB</td> </tr> <tr> <td>USA & Canada</td> <td>cULus</td> </tr> <tr> <td>Australia & New Zealand</td> <td>RCM / SAA</td> </tr> <tr> <td>Korea</td> <td>KC</td> </tr> <tr> <td>China</td> <td>CCC</td> </tr> <tr> <td>Japan</td> <td>PSE</td> </tr> <tr> <td>United Kingdom</td> <td>UKCA</td> </tr> <tr> <td>Morocco</td> <td>CMIM</td> </tr> </table>	Europe	CE	International	CB	USA & Canada	cULus	Australia & New Zealand	RCM / SAA	Korea	KC	China	CCC	Japan	PSE	United Kingdom	UKCA	Morocco	CMIM
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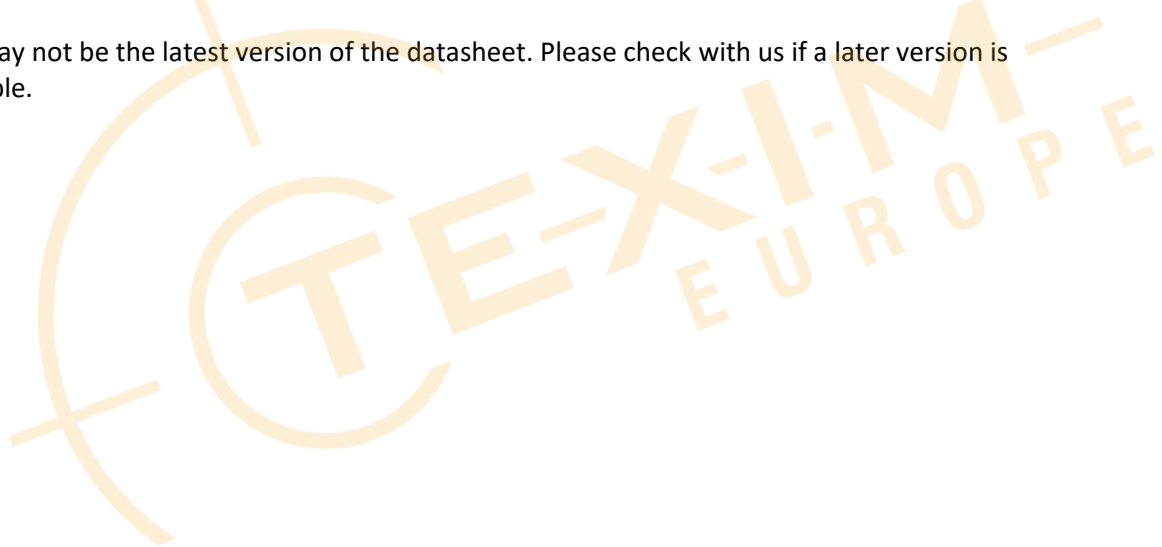
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





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