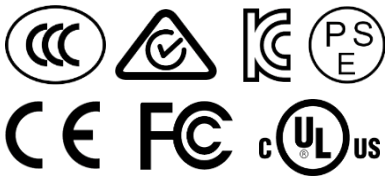


RRC-SBC2037

Standard battery charger

P/N:

110185 (Cradle without power supply)
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

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:
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	EN55024, EN55032, class B
	USA	FCC15 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	CE CB cULus RCM / SAA KC CCC PSE

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