RRC-SCC1120

Standard battery charger

P/N:
110037 (US Version for US, CA, MX, JP)
110056 (EU Version for EU, RU)
110065 (UK Version)
110066 (AU Version for AU, NZ)
110067 (KC Version for KR)
110068 (CC Version for CN)



Features

- 5.00W single bay charger
- For the standard battery pack RRC1120
- 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	5.00V nom.
Current	1.00A nom.
Power	5.00W

Output	
Voltage	4.20VDC
Current	1.00A max.
Voltage tolerance	±2% max.
Current tolerance	±10% max. @1.00A
Protection	Short circuit, Battery over/under temperature, Charger over temperature

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 572hPa -382m to 4570m
Humidity (non-condensing)	5% to 95% r.H.	

General	
Indicator	Multi-color LED (green, red, orange)
Battery types	Standard battery RRC1120
Green procurement	RoHS 2011/65/EU, 2015/863/EU REACH 1907/2006 WEEE 2012/19/EU Chinese RoHS
Cooling	convection cooled

LED Indications	
Orange light	The inserted battery is of the correct type and is currently being charged.
Green light	The battery is charged and can be removed for use.
Red light	No battery inserted Battery over/under temperature error Charger over temperature error Input voltage too low

Charger Mechanical Details	
Housing dimensions (LxWxH)	39.80 x 76.30 x 15.00mm
Weight	15.60g (excluding power supply)

Safety & EMC	In combination with included external AC/DC power supply	
Regulatory approvals	Europe International	EN 62368-1 (CE) IEC 62368-1 (CB)
Electromagnetic Emissions	Europe USA	EN55011, EN55032, class B FCC15 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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TECHNICAL DATA SHEET RRC-SCC1120

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	5.00VDC ±5%
Power	5.00W 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	Micro USB
Housing dimensions (LxWxH)	43.55 x 40.90 x 45.30mm for US/CA/MX/JP 43.55 x 40.90 x 60.20mm for EU/RU 43.55 x 40.90 x 37.40mm for UK 43.55 x 40.90 x 60.20mm for KR 43.55 x 40.90 x 49.00mm for AU 43.55 x 40.90 x 45.50mm for CN
Weight	70g max.
Cable length	1000mm

Regulatory Approvals		
Approvals	Europe	CE
	International	CB
	USA & Canada	cULus / cETLus
	Mexico	NOM
	Australia & New Zealand	RCM / SAA
	Russia	EAC
	Korea	KC
	China	CCC
	Japan	PSE
	United Kingdom	UKCA
	Morocco	CMIM

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