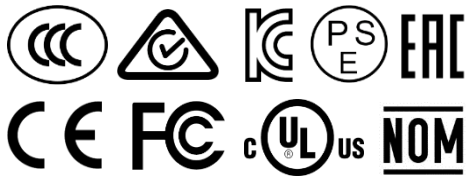


RRC-SCC1120

Standard battery charger

P/N:

110001 (Cradle without power supply)
110120 (MP Version with Multi Wall-Mount Plugs for EU, US, AU and UK)
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

Specification

Input		
Voltage	5.00V nom.	
Current	1.00A nom.	
Power	5.00W	
Output		
Voltage	4.20VDC	
Current	1.00A max.	
Voltage tolerance	±1% max.	
Current tolerance	±10% max. @1.00A	
Protection	Short circuit, Battery over/under temperature, Charger over temperature, Charge timer	
Environmental		
Cooling	convection cooled	
Temperature	Operation: 0°C to 40°C	Storage: -20°C to 80°C
Pressure & Altitude	Operation: 1060hPa to 795hPa -382m to 2000m	Storage: 1060hPa to 572hPa -382m to 4570m
Humidity	10% to 90% r.H., non-condensing	
General		
Indicator	Multi-color LED (green, red, orange)	
Battery types	Standard battery RRC1120	
Green procurement	RoHS 2011/65/EU, 2015/863/EU WEEE 2012/19/EU Chinese RoHS	
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 blinking	Battery detection phase	
Red light	No battery inserted Battery over/under temperature error Charger over temperature error Battery over voltage error Battery charge time-out 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	EN 60950-1 (CE)
	International	IEC 60950-1 (CB)
Electromagnetic Emissions	Europe USA	EN55011, EN55032, class B 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 $\pm 10\%$, 50-60Hz
Current	0.30A max.
Stand by power	No load < 0.10W

Output	
Voltage	5.00VDC $\pm 5\%$
Power	5.00W cont.
Current	1.00A max.
Protection	Over current, short circuit

Environmental		
Temperature	Operation: 0°C to 40°C	Storage: -20°C to 80°C
Humidity	10% to 90% r.H., non-condensing	5% to 95% r.H., non-condensing
Altitude	< 2000m	< 2000m

General	
Efficiency	California's Energy Efficiency Level VI
Line / Load regulation	$\pm 1\%$ / $\pm 5\%$
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 54.80 x 29.50 x 44.90mm for Multi Wall-Mount Plug Version (EU, US, AU and UK)
Weight	70g max.
Cable length	1.00m

Regulatory Approvals		
Approvals	Europe International USA & Canada Mexico Australia & New Zealand Russia (Customs Union) Korea China Japan	CE CB cULus / cETLus NOM RCM / SAA EAC KC CCC PSE

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