

## RRC-SCC1120

### Standard battery charger

P/N:

110037 (US Version for US, CA, MX, JP)

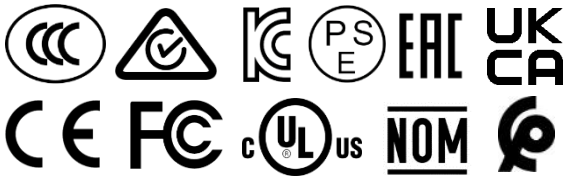
110056 (EU Version for EU, RU)

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

## 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<br>-382m to 2000m | 1060hPa to 572hPa<br>-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<br>REACH 1907/2006<br>WEEE 2012/19/EU<br>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<br>Battery over/under temperature error<br>Charger over temperature error<br>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 62368-1 (CE)           |
|                           | International  | IEC 62368-1 (CB)          |
| Electromagnetic Emissions | Europe   | EN55011, 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**

| <b>Input</b>   |                                  |
|----------------|----------------------------------|
| Voltage        | 100.00 – 240.00VAC ±10%, 50-60Hz |
| Current        | 0.30A max.                       |
| Stand by power | No load < 0.10W                  |

| <b>Output</b> |                             |
|---------------|-----------------------------|
| Voltage       | 5.00VDC ±5%                 |
| Power         | 5.00W cont.                 |
| Current       | 1.00A max.                  |
| Protection    | Over current, short circuit |

| <b>General</b>         |   |
|------------------------|---|
| Efficiency             | California’s Energy Efficiency Level VI |
| Line / Load regulation | ±1% / ±5%                               |
| Ripple & Noise         | 200.00mV (p-p)                          |

| <b>Power Supply Mechanical Details</b> |  |
|--|--|
| Standard output connector              | Micro USB  |
| Housing dimensions (LxWxH)             | 43.55 x 40.90 x 45.30mm for US/CA/MX/JP<br>43.55 x 40.90 x 60.20mm for EU/RU<br>43.55 x 40.90 x 37.40mm for UK<br>43.55 x 40.90 x 60.20mm for KR<br>43.55 x 40.90 x 49.00mm for AU<br>43.55 x 40.90 x 45.50mm for CN |
| Weight                                 | 70g max.   |
| Cable length                           | 1000mm   |

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