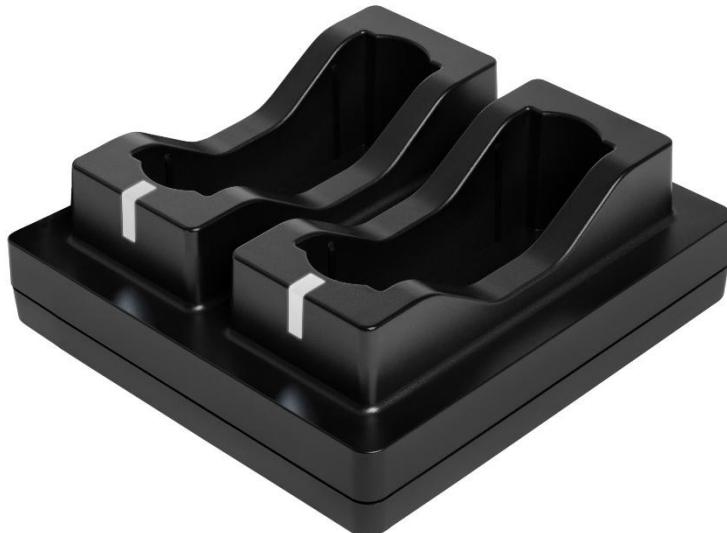


RRC-SMB-2BC

Dual bay standard battery charger
for smart batteries

P/N: 110352



Features:

- For the standard battery form factors RRC203x, RRC204x or RRC205x smart batteries
- Optimized charging process for RRC batteries:
 - Longer cycle life
 - Faster charging
- Simple operation – Plug and Play
- Automatic recognition and calibration of smart batteries
- External power supply for worldwide use
- Country-specific AC input cables available

Applications:

Standard charging station for mobile devices used in medical, industrial and consumer markets.

Characteristics

Input		
Voltage	19.00 – 24.00VDC	
Current	5.30A max.	
Power	100.00W	
Protection	Over-current (fuse protected), under voltage	
Output		
Voltage	0 - 17.40VDC	
Current	0 - 4.70A	
Voltage tolerance	±1% max.	
Current tolerance	±10% max. @1.00A, ±3% max. @4.00A	
Charge power	50.00W max. per Bay	
Protection	Short circuit, over temperature shutdown, input-/output over current	
Environmental		
	Operation:	Storage:
Ambient Temperature	0°C to 40°C	-30°C to 80°C
Pressure & Altitude	1060hPa to 533hPa -382m to 5000m	1060hPa to 533hPa -382m to 5000m
Humidity (non-condensing)	5% to 90% r.H.	5% to 95% r.H.
General		
Efficiency	~95% at 100% load	
Indicator	Multi-color LED (white, green, red, yellow)	
Battery types	Standard battery form factors RRC203x, RRC204x or RRC205x smart batteries	
Green procurement	RoHS 2011/65/EU + 2015/863/EU REACH 1907/2006 WEEE 2012/19/EU Chinese RoHS	
Cooling	convection cooled	
LED Indications		
White blinking (1-2 seconds)	Charger is plugged in	
LED off	Charger is ready for use, and no battery is installed	
Red blinking	Charger has an error	
White blinking	Battery is plugged in and recognized	
White breathing (slow blinking)	Battery is charging. SoC below 100%	
Green continuously illuminated	Battery is fully charged	
Yellow blinking	Reversible errors	
Red continuously illuminated	The battery has a severe defect, or it is a non-smart battery	
Charger Mechanical Details		
Housing dimensions (LxWxH)	120x120x46 (mm)	
Weight	~223g (without power supply)	
Safety & EMC		In combination with included external AC/DC power supply
Regulatory approvals	Europe International	EN62368-1 (CE) IEC62368-1 (CB)
Electromagnetic Emissions	Europe USA	EN55011, EN55032, level B FCC15 class B
Electromagnetic Immunity	ESD immunity Electromagnetic field immunity EFT / Burst Surge Conducted Immunity Magnetic Fields Voltage dips, short interruptions & voltage variations Immunity characteristics	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 EN55024

Specification for external AC/DC power supply (PS100)

P/N: 212532

Input		
Voltage	100.00 – 240.00VAC ±10%, 50-60Hz	
Stand by power	< 0.15W @ no load	
Output		
Voltage range	20.00VDC ± 5%	
Power	100.00W max.	
Current range	5A max.	
Protection	Short circuit, over-voltage, over-current, over-temperature	
General		
Efficiency	California's Energy Efficiency Level VI	
Ripple & Noise	380mV (p-p)	
Power Supply Mechanical Details		
Standard output connector	DC barrel jack, 5.5 x 2.5 x 10mm	
Housing dimensions (LxWxH)	127 x 51 x 30mm	
Weight	~325g	
Cable length	1600mm ±50mm	
Regulatory Approvals		
Approvals	Europe International USA & Canada Australia Russia (Customs Union) Korea China Japan India Taiwan Mexico Argentina South Africa Singapore United Kingdom Morocco Malaysia Israel	CE CB cULus RCM EAC KC CCC PSE BIS BSMI NOM IRAM SABS Safety Mark UKCA CMIM SIRIM SII

Recommended Accessories

Type	Product	P/N	Application	
3-pol AC-Cable		US-Version EU-Version UK-Version AU-Version CN-Version	210950 210951 211133 211134 211959	Country-specific power cable for standard battery chargers from RRC and PS100.

Germany/HQ	USA	Hong Kong	China	Vietnam
RRC power solutions GmbH	RRC power solutions Inc.	RRC power solutions Ltd.	RRC power solutions Ltd.	RRC POWER SOLUTIONS COMPANY LIMITED
Technologiepark 1 66424 Homburg / Saar	18340 Yorba Linda Blvd., # 107-437 Yorba Linda, CA 92886	S-V,6/F, Valiant Industrial Centre 2-12 Au Pui Wan Street Fo Tan, N.T., Hong Kong	Room 1306, C Building, Tianan International Build- ing, Renmin South Road, Luohu District, Shenzhen 518021	Block C, Lot CN4 Dinh Vu - Cat Hai Economic Zone, Dong Hai 2 Ward Hai An District 180000 Hai Phong City
+49 6841 98090 sales@rrc-ps.com	+1 714 777 3604 usa@rrc-ps.com	+852 2376 0106 hkrrc@rrc-ps.cn	+86 755 8374 1908 hkrrc@rrc-ps.cn	vietnam@rrc-ps.com