



**Standard battery pack RRC2024 (4S3P)
with 14.40V / 6600mAh / 95.0Wh**

Features:

- Highest available energy density
- SMBus & SBDS Rev 1.1 compliant
- Fulfills JEITA standards, advanced temperature-dependent charging profile
 - Fastest charging
 - Maximized cycle life
- Impedance tracking and cell balancing
 - No manual recalibration necessary
 - Longest lifetime
- Comprehensive charging/discharging and passive safety systems
- Worldwide approvals
- Registered with recycling systems worldwide



Applications:







Suitable for use with tablet PC's, notebooks, industrial and medical devices, etc.

Specification

General		Electrical Parameters	
Delivery status	30%	Nominal voltage	14.4V
battery capacity		Nominal capacity	6600mAh
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Initial impedance	<150mΩ @ 1kHz at 20°C
Storage temperature	-20°C to 60°C max. -20°C to 20°C recommended	Max. charge current	4620mA
Compliance information	CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / IEC 62133 / UN 38.3 / RoHS / REACH / BIS	Max. charge voltage	16.8V
		Cont. discharge	10000mA
		Peak discharge	14000mA
		Life expectancy @25°C	>300 cycles with min 80% of initial capacity
		3.3A Charge/3.3A Discharge	

Battery Dimensions		Safety Parameters PCM	
Length	167.2mm±0.5	Overcharge detection voltage	4300mV/cell
Width	107.5mm+0.4/-0.3	Overcharge release voltage	4100mV/cell
Thickness	21.5mm+0.3/-0.5	Overdischarge detection voltage	2750mV/cell
Weight	590g	Overdischarge release voltage	3000mV/cell
Contacts	+, C, D, T, -	Overcharge detection current	5300mA
		Overdischarge detection current	11000mA

Recommended Accessories

Type	Product	Application
Standard Battery Charger	 RRC-SMB-UBC	65W standard battery charger for optimized charging process with external power supply for worldwide use.
Power Management Module	 RRC-PMM240	Power management module for smart battery charging with automatic power source selection. 82W max. output power to battery and 240W max. output power to application. Fits to all 20XX standard smart batteries from RRC.
Power Supply AC/DC	 PS65	External power supply (worldwide use) for embedded battery charger RRC-PMM240 or for mobile devices. Included in RRC-SMB-UBC/MBC.
AC Power Cable	 210950 for USA/CAN/JPN 210951 for EU/KOR 211333 for UK/SGP 211334 for AUS/NZL	Country specific power cable for PS65.
Car Adapter DC/DC	 RRC-SMB-CAR	90W car adapter with USB charging port. Power supplying in cars and trucks for RRC-SMB-UBC, RRC-SMB-MBC, RRC-PMM240 or mobile devices.
Design-In Tool	 SMBus Reader	Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface.
Battery Mating Connector	 RRC-MC20-90-10 RRC-MC20-180-10	Mating Connector for standard smart batteries from RRC (e.g. RRC2020, RRC2054, ...). Available for 90° or 180° PCB mounting.

Germany/Headquarters

RRC power solutions GmbH
Technologiepark 1
D-66424 Homburg / Saar

Tel.: +49 6841 98090
Fax: +49 6841 9809280
Email: sales@rrc-ps.de
Web: www.rrc-ps.de

USA

RRC power solutions Inc.
18340 Yorba Linda Blvd.,
Suite 107-437
Yorba Linda, CA 92886-4104

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.com

China

RRC power solutions Ltd.
Room 520, Yuanlin Building,
Aiguo Road No. 3066,
Luohu District,
Shenzhen 518021

Tel.: +86 755 8374 1908
Fax: +86 755 8374 1861
Email: hkrrc@rrc-ps.cn
Web: www.rrc-ps.com