

Technical Data Sheet

Rechargeable Lithium-ion Battery Pack RRC2024



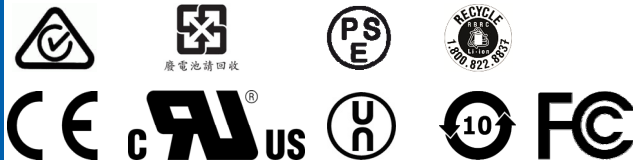
Standard Li-ion battery pack RRC2024 12 x18650 cells (4S3P) with 14.40V / 6600mAh / 95.0Wh

Features:

- Highest available energy density
- SMBus & SBDS Rev 1.1 compliant
- Fulfils 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	
Basic cell type	ICR 18650-22F
Delivery status battery capacity	50% - 70%
Label	RRC or customized
Compliance information	CE / UL2054 / UL1642 / FCC IEC 62133 / EN60950 / ROHS UN 38.3 / PSE /RCM
Operating temperature	0°C to 45°C (charge) -20°C to 55°C (discharge)
Storage temperature	-20°C to 60°C max. -20°C to 25°C recommended
Charger	RRC-SMB-UBC, PMC02A or PMC10A with module PMCM027

Electrical Parameters	
Nominal voltage	14.4V
Nominal capacity	6600mAh
Initial impedance	150mΩ @ 1kHz at 20°C
Max. charge current	4620mA
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	

Notes:

Battery Dimensions	
Length	167.5mm
Width	107.5mm
Thickness	21.5mm
Weight	590g
Contacts	+, C, D, T, -

Safety Parameters PCM	
Overcharge detection voltage	4300mV/cell
Overcharge release voltage	4100mV/cell
Overdischarge detection voltage	2750mV/cell
Overdischarge release voltage	3000mV/cell
Overcharge detection current	5300mA
Overdischarge detection current	11000mA

-Prior to use read handling precaution and prohibitions for Li-ion batteries

Germany/Headquarters	USA	Australia	Hong Kong/China
RRC power solutions GmbH Technologiepark 1 D-66424 Homburg / Saar	RRC power solutions Inc. 18340 Yorba Linda Blvd., Suite 107-437 Yorba Linda, CA 92886-4104	RRC power solutions 1 Queens Road Melbourne VIC 3004	RRC power solutions Ltd. 9/F Park Tower, 15 Austin Road Tsim Sha Tsui, Kowloon, Hong Kong
Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	Tel.: +61 3 9013 4111 Fax: +61 3 8621 0082 Email: apac@rrc-ps.com Web: www.rrc-ps.com	Tel.: +852 2376 0106 Fax: +852 2376 0107 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com