

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 v1.1 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	
Basic cell type	ICR 18650-22F
Delivery status battery capacity	50% - 70%
Label	RRC or customized
Certifications battery	CE / UL2054 / UL1642 / FCC IEC 62133 / EN60950 / ROHS UN 38.3
Operating temperature	0°C to 45°C (charge) -20°C to 60°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 PMCM020

Electrical Parameters	
Nominal voltage	14.4V
Nominal capacity	6600mAh
Initial impedance	250mΩ @ 1kHz at 20°C
Max. charge current	4620mA
Max. charge voltage	16.8V
Cont. discharge	8000mA
Peak discharge	14000mA
Life expectancy @25°C	>300 cycles with min 75% of initial capacity
4.6A Charge/4.6A Discharge	

Notes:

Battery Dimensions	
Length	167.6mm
Width	107.3mm
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	8500mA

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

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