

Technical Data Sheet

Rechargeable Lithium-ion Battery Pack RRC2040



Standard Li-ion battery pack RRC2040 3 x 18650 cells (3S1P) with 11.25V / 2950mAh / 33.2Wh

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	ICR 18650-30
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 50°C max. -20°C to 25°C recommended
Charger	RRC-SMB-UBC, PMC02A or PMC10A with module PMCM021

Electrical Parameters	
Nominal Voltage	11.25V
Nominal capacity	2950mAh
Initial impedance	250mΩ @ 1kHz at 20°C
Max. charge current	2065mA
Max. charge voltage	13.05V
Cont. discharge	3000mA
Peak discharge	10000mA
Life expectancy @25°C 1.5A Charge/1.5A Discharge	>300 cycles with min 80% of initial capacity

Battery Dimensions	
Length	85mm
Width	59mm
Thickness	22mm
Weight	170g
Contacts	+, C, D, T, -

Safety Parameters PCM	
Overcharge detection voltage	4420mV
Overcharge release voltage	4200mV
Overdischarge detection voltage	2600mV
Overdischarge release voltage	3000mV
Overcharge detection current	2300mA
Overdischarge detection current	3500mA

Notes:

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

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