

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		Electrical Parameters	
Basic Cell	ICR 18650-30	Nominal Voltage	11.25V
Delivery status	50% - 70%	Nominal capacity	2950mAh
battery capacity			
Label	RRC or customized	Initial impedance	250mΩ @ 1kHz at 20°C
Certifications battery	CE / UL2054 / UL1642 / FCC IEC 62133 / EN60950 / ROHS UN 38.3	Max. charge current	2065mA
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Max. charge voltage	13.05V
Storage temperature	-20°C to 50°C max. -20°C to 25°C recommended	Cont. discharge	3000mA
Charger	RRC-SMB-UBC, PMC02A or PMC10A with module PMCM021	Peak discharge	10000mA
		Life expectancy @25°C	>300 cycles with min 80% of initial capacity
		1.5A Charge/1.5A Discharge	
Battery Dimensions		Safety Parameters PCM	
Length	85mm	Overcharge detection voltage	4420mV
Width	59mm	Overcharge release voltage	4200mV
Thickness	22mm	Overdischarge detection voltage	2600mV
Weight	170g	Overdischarge release voltage	3000mV
Contacts	+, C, D, T, -	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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