

Technical Data Sheet

Rechargeable Lithium-ion Battery Pack RRC2054



Standard Li-ion battery pack RRC2054 4 x 18650 cells (4S1P) with 15.0V / 3200mAh / 48.0Wh

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

Applications:

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



Specification

General

Basic Cell	ICR 18650-32
Delivery status	50% - 70%
battery capacity	
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 50°C max.
Charger	-20°C to 25°C recommended RRC-SMB-UBC, PMC02A or PMC10A with module PMCM027

Battery Dimensions

Length	85.4mm
Width	77.6mm
Thickness	23mm
Weight	240g
Contacts	+, C, D, T, -

Electrical Parameters

Nominal Voltage	15.0V
Nominal capacity	3200mAh
Initial impedance	270mΩ @ 1kHz at 20°C
Max. charge current	2240mA
Max. charge voltage	17.4V
Cont. discharge	4000mA
Peak discharge	10000mA
Life expectancy @25°C	>300 cycles with 1.6A Charge/1.6A Discharge
	min. 80% of initial capacity

Safety Parameters PCM

Overcharge detection voltage	4420mV/cell
Overcharge release voltage	4200mV/cell
Overdischarge detection voltage	2750mV/cell
Overdischarge release voltage	3000mV/cell
Overcharge detection current	2500mA
Overdischarge detection current	4500mA

Notes:

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

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