

# Technical Data Sheet

## Rechargeable Lithium-ion Battery Pack RRC2020



**Standard Li-ion battery pack RRC2020  
9 x18650 cells (3S3P) with  
11.25V / 8850mAh / 99.6Wh**

### Features:

- Highest available energy density
- SMBus v1.1 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		Electrical Parameters	
Basic Cell	ICR 18650-30	Nominal Voltage	11.25V
Delivery status battery capacity	50% - 70%	Nominal capacity	8850mAh
Label	RRC or customized	Initial impedance	200mΩ @ 1kHz at 20°C
Certifications battery	CE / UL2054 / UL1642 / FCC IEC 62133 / EN60950 / ROHS UN 38.3	Max. charge current	6200mA
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	8000mA
Charger	RRC-SMB-UBC, PMC02A or PMC10A with module PMCM007	Peak discharge	14000mA
		Life expectancy @25°C	>300 cycles with min 80% of initial capacity
		4.4A Charge/4.4A Discharge	
Battery Dimensions		Safety Parameters PCM	
Length	148.8mm	Overcharge detection voltage	4420mV/cell
Width	88.9mm	Overcharge release voltage	4200mV/cell
Thickness	19.7mm	Overdischarge detection voltage	2600mV/cell
Weight	490g	Overdischarge release voltage	3000mV/cell
Contacts	+, C, D, T, -	Overcharge detection current	7000mA
		Overdischarge detection current	8500mA

### Notes:

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

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