

# Technical Data Sheet

## Rechargeable Lithium-ion Battery Pack RRC2040-2



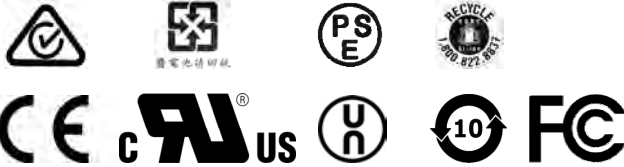
**Standard Li-ion battery pack RRC2040-2  
6 x 18650 cells (3S2P) with  
11.25V / 6400mAh / 72.0Wh**

### Features:

- Highest available energy density
- SMBus & SBDS Rev 1.1 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

### 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

Electrical Parameters	
Nominal Voltage	11.25V
Nominal capacity	6400mAh
Initial impedance	250mΩ @ 1kHz at 20°C
Max. charge current	4480mA
Max. charge voltage	13.05V
Cont. discharge	6500mA
Peak discharge	14000mA
Life expectancy @25°C	>300 cycles with
3.2A Charge/3.2A Discharge	min 80% of initial capacity

Battery Dimensions	
Length	151mm
Width	59mm
Thickness	22mm
Weight	350g
Contacts	+, C, D, T, -

Safety Parameters PCM	
Overcharge detection voltage	4420mV/cell
Overcharge release voltage	4200mV/cell
Overdischarge detection voltage	2600mV/cell
Overdischarge release voltage	3000mV/cell
Overcharge detection current	5000mA
Overdischarge detection current	7500mA

### Notes:

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

Germany/Headquarters	USA	Australia	Hong Kong/China
RRC power solutions GmbH Technologiepark 1 D-66424 Homburg / Saar	RRC power solutions Inc. 18340 Yorba Linda Blvd., Suite 107-437 Yorba Linda, CA 92886-4104	RRC power solutions 1 Queens Road Melbourne VIC 3004	RRC power solutions Ltd. 9/F Park Tower, 15 Austin Road Tsim Sha Tsui, Kowloon, Hong Kong
Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	Tel.: +61 3 9013 4111 Fax: +61 3 8621 0082 Email: apac@rrc-ps.com Web: www.rrc-ps.com	Tel.: +852 2376 0106 Fax: +852 2376 0107 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com