



**Standard battery pack RRC2140 (3S1P)  
with 11.40V / 3880mAh / 44.2Wh**

**Features:**

- Slim and flat standard battery pack with higher capacity and lower height than round cell packs with similar energy
- Allows to develop smaller and thinner portable devices with long runtime
- 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 worldwide



**Applications:**

Suitable for use in slim devices for industrial and medical applications, etc.

**Specification**

General		Electrical Parameters	
Delivery status	30%	Nominal voltage	11.4V
battery capacity		Nominal capacity	3880mAh
Compliance information	CE / UN 38.3 / Gost / PSE / BSMI / TISI / RCM / EAC / CQC / UL2054 / KC / BIS / IEC 62133 / RoHS / FCC / REACH	Initial impedance	<200mΩ @ 1kHz at 20°C
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Max. charge current	2700mA
Storage temperature	-20°C to 60°C max. -20°C to 25°C recommended	Max. charge voltage	13.05V
		Cont. discharge	3780mA
		Max. discharge	5670mA
		Life expectancy @25°C	>300 cycles with min. 85% of initial capacity
		1.9A Charge/0.75A Discharge	
Battery Dimensions		Safety Parameters PCM	
Length	212.9mm +/-0.5	Overcharge detection voltage	4390mV/cell
Width	86.2 +/-0.4mm	Overcharge release voltage	4200mV/cell
Thickness	8.35mm +/-0.25	Overdischarge detection voltage	2750mV/cell
Weight	<255g	Overdischarge release voltage	3250mV/cell
Contacts	+,+,C,D,T,-,-	Overcharge detection current	3100mA
		Overdischarge detection current	6000mA

**Recommended Accessories**

Type	Product	Application
Standard Battery Charger	RRC-SMB-FPC	40W standard battery charger for optimized charging process with external power supply for worldwide use.
Battery Mating Connector	RRC-MC21-90-10 RRC-MC21-90-20	Mating Connector for standard smart batteries RRC2130, RRC2140. Available for 90° PCB mounting (top and edge).
Power Supply AC/DC	PS65	External power supply (worldwide use) for embedded battery charger RRC-PMM240 or for mobile devices. Included in RRC-SMB-UBC/MBC/FPC.
AC Power Cable	210950 for USA/CAN/JPN 210951 for EU/KOR 211333 for UK/SGP 211334 for AUS/NZL	Country specific power cable for PS65.
CAR Adapter DC/DC	RRC-SMB-CAR	90W car adapter with USB charging port. Power supplying in cars and trucks for RRC-SMB-UBC/MBC/FPC, RRC-PMM240 or mobile devices.

**Germany/Headquarters**

RRC power solutions GmbH  
Technologiepark 1  
D-66424 Homburg / Saar

Tel.: +49 6841 98090  
Fax: +49 6841 9809280  
Email: sales@rrc-ps.de  
Web: www.rrc-ps.de

**USA**

RRC power solutions Inc.  
18340 Yorba Linda Blvd.,  
Suite 107-437  
Yorba Linda, CA 92886-4104

Tel.: +1 714 777 3604  
Fax: +1 714 777 3658  
Email: usa@rrc-ps.com  
Web: www.rrc-ps.com

**Hong Kong**

RRC power solutions Ltd.  
S-V,6/F, Valiant Industrial Centre  
2-12 Au Pui Wan Street  
Fo Tan, N.T., Hong Kong

Tel.: +852 2376 0106  
Fax: +852 2375 0107  
Email: hkrrc@rrc-ps.cn  
Web: www.rrc-ps.com

**China**

RRC power solutions Ltd.  
Room 520, Yuanlin Building,  
Aiguo Road No. 3066,  
Luohu District,  
Shenzhen 518021

Tel.: +86 755 8374 1908  
Fax: +86 755 8374 1861  
Email: hkrrc@rrc-ps.cn  
Web: www.rrc-ps.com