

## RRC2140

Standard Battery Pack Li-Ion  
10.80V / 4.17Ah / 45.04Wh  
P/N: 110076



Picture only for reference



### Features

- Worldwide approvals and certification of safety standards
- No development costs, fast time-to-market
- Smart batteries with numerous features according to the SMBus specification
- State-of-the-art lithium-ion cells with the market's highest energy density
- High discharge performance
- JEITA charging profile optimization
- Numerous and redundant safety features
- Increased ESD protection up to 8.00kV
- Up to 80% of initial capacity after 800 cycles

### Applications

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

**Specification**






<b>General</b>	
Delivery status battery capacity	<30%
Compliance information	IEC 62133 / CE / UL2054 / FCC / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CQC / RCM / BIS / TISI / UN 38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 50°C max. -20°C to 25°C recommended

<b>Electrical Parameters</b>	
Nominal voltage	10.80V
Nominal capacity	4.17Ah
Initial impedance	<180mΩ @ 1kHz at 25°C
Max. charge current	2.70A
Max. charge voltage	12.60V
Max. discharge current	6.00A

<b>Battery Dimensions</b>	
Length	212.90mm +0.50/-0.50
Width	86.20mm +0.40/-0.40
Thickness	8.35mm +0.25/-0.25
Weight	255g
Contacts	+, +, C, D, T, -, -
Ingress protection	IP40

<b>Safety Features</b>	
CUV (Cell Under Voltage)	Protection against deep discharge
COV (Cell Over Voltage)	Protection against over charge
OTC (Over Temperature in Charge)	Protection against overheating while charging
OTD (Over Temperature in Discharge)	Protection against overheating during discharging

## Recommended Accessories

Type	Product	P/N	Application
Standard Battery Charger	 RRC-SMB-FPC	110083	40.00W standard battery charger for optimized charging process with external power supply for world-wide use.
Power Supply AC/DC	 PS65	210919	External power supply (worldwide use) for embedded battery charger RRC-PMM240 or for mobile devices. Included in RRC-SMB-FPC.
AC Power Cable	 <ul style="list-style-type: none"> <li>US-Version 210950</li> <li>EU-Version 210951</li> <li>UK-Version 211333</li> <li>AU-Version 211334</li> <li>CN-Version 211959</li> </ul>		Country specific power cable for PS65.
Car Adapter DC/DC	 RRC-SMB-CAR	110041	90.00W car adapter with USB charging port. Power supplying in cars and trucks for RRC-SMB-FPC, RRC-PMM240 or mobile devices
Battery Mating Connector	 <ul style="list-style-type: none"> <li>RRC-MC21-90-10 211268</li> <li>RRC-MC21-90-20 211278</li> </ul>		Mating Connector for standard smart batteries RRC2130, RRC2140. Available for 90° PCB mounting (top and edge).

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