

RRC2140

Standard Battery Pack Li-Ion

11.40V / 3.88Ah / 44.20Wh

P/N: 110076



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
- 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 and certification of safety standards
- Registered with recycling systems worldwide
- Life expectancy: Up to 80% of initial capacity after 800 cycles

Applications

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

Specification

General	
Delivery status battery capacity	<30%
Compliance information	IEC62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / TISI / BSMI / UN38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max. -20°C to 25°C recommended
Electrical Parameters	
Nominal voltage	11.40V
Nominal capacity	3.88Ah
Initial impedance	<200mΩ @ 1kHz at 20°C
Max. charge current	2.70A
Max. charge voltage	13.05V
Cont. discharge	3.78A
Max. discharge	5.67A
Battery Dimensions	
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
Safety Parameters PCM	
Overcharge detection voltage / cell	4.39V
Overcharge release voltage / cell	4.20V
Overdischarge detection voltage / cell	2.75V
Overdischarge release voltage / cell	3.25V
Overcharge detection current	3.10A
Overdischarge detection current	6.00A

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	 US-Version EU-Version UK-Version AU-Version	210950 210951 211333 211334	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	 RRC-MC21-90-10 RRC-MC21-90-20	211268 211278	Mating Connector for standard smart batteries RRC2130, RRC2140. Available for 90° PCB mounting (top and edge).

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