

## RRC2054-2

Standard Battery Pack Li-Ion  
14.40V / 6.90Ah / 99.40Wh  
P/N: 110064



### 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	
Delivery status battery capacity	30%
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
Compliance information	IEC 62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / BSMI / UN 38.3 / RoHS / REACH

Electrical Parameters	
Nominal voltage	14.40V
Nominal capacity	6.90Ah
Initial impedance	200mΩ @ 1kHz at 20°C
Max. charge current	4.83A
Max. charge voltage	16.80V
Max. discharge current	10.00A
Peak discharge current	20.00A
Life expectancy @ 25°C 1.675A Charge/3.35A Discharge	>300 cycles with ≥ 63% of initial capacity

Battery Dimensions	
Length	150.40mm +0.40/-0.40
Width	77.40mm +0.25/-0.25
Thickness	22.35mm +0.60/-0.40
Weight	430g
Contacts	+, C, D, T, -

Safety Parameters PCM	
Overcharge detection voltage / cell	4.27V
Overcharge release voltage / cell	4.10V
Overdischarge detection voltage / cell	2.50V
Overdischarge release voltage / cell	2.75V
Overcharge detection current	6.00A
Overdischarge detection current	10.50A

**Recommended Accessories**

Type	Product	P/N	Application
Standard Battery Charger	 RRC-SMB-UBC	100485	65.00W standard battery charger for optimized charging process with external power supply for world-wide use.
Standard Battery Charger	 RRC-SMB-MBC	110017	50.00W standard battery charger for optimized charging process with external power supply for world-wide use.
Power Management Module	 RRC-PMM240	100576	Power management module for smart battery charging with automatic power source selection. 82.00W max. output power to battery and 240.00W max. output power to application. Fits to all 20XX standard smart batteries from RRC.
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-UBC/MBC.
AC Power Cable	 USA/CAN/JPN EU/KOR UK/SGP AUS/NZL	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-UBC, RRC-SMB-MBC, RRC-PMM240 or mobile devices
Design-In Tool	 SMBus Reader	100122	Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface.

Type	Product	P/N	Application
Battery Connector	 SMBus Battery Cable	400665	Extension cable for battery applications. Suitable for RRC204X and RRC205X batteries.
Battery Mating Connector	 RRC-MC20-90-10 RRC-MC20-180-10	210519 210518	Mating Connector for standard smart batteries from RRC (e.g. RRC2020, RRC2054, ...). Available for 90° or 180° PCB mounting.

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