



**Standard battery pack RRC2054 (4S1P)  
with 15.0V / 3200mAh / 48.0Wh**

**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		Electrical Parameters	
Delivery status	30%	Nominal Voltage	15.0V
battery capacity		Nominal capacity	3200mAh
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)	Initial impedance	<270mΩ @ 1kHz at 20°C
Storage temperature	-20°C to 60°C max. -20°C to 25°C recommended	Max. charge current	2170mA
Compliance information	CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / IEC 62133 / UN 38.3 / ROHS / Reach / BIS	Max. charge voltage	17.4V
		Cont. discharge	4250mA
		Peak discharge	10000mA
		Life expectancy @25°C	>300 cycles with min. 75% of initial capacity
		1.6A Charge/1.6A Discharge	

Battery Dimensions		Safety Parameters PCM	
Length	85.1mm±0.25	Overcharge detection voltage	4420mV/cell
Width	77.4mm±0.25	Overcharge release voltage	4200mV/cell
Thickness	22.4mm+0.6/-0.4	Overdischarge detection voltage	2750mV/cell
Weight	240g	Overdischarge release voltage	3000mV/cell
Contacts	+, C, D, T, -	Overcharge detection current	2400mA
		Overdischarge detection current	4350mA

**Recommended Accessories**

Type	Product	Application
Standard Battery Charger	 RRC-SMB-UBC	65W standard battery charger for optimized charging process with external power supply for worldwide use.
Standard Battery Charger	 RRC-SMB-MBC	50W standard battery charger for optimized charging process with external power supply for worldwide use.
Power Management Module	 RRC-PMM240	Power management module for smart battery charging with automatic power source selection. 82W max. output power to battery and 240W max. output power to application. Fits to all 20XX standard smart batteries from RRC.
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.
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, RRC-SMB-MBC, RRC-PMM240 or mobile devices.
Design-In Tool	 SMBus Reader	Simple read out of SMBus batteries data. No external power supply required. 5way blade connector and RS232 interface.
Battery Connector	 SMBus Battery Cable	Extension cable for battery applications. Suitable for RRC204X and RRC205X batteries.
Battery Mating Connector	 RRC-MC20-90-10 RRC-MC20-180-10	Mating Connector for standard smart batteries from RRC (e.g. RRC2020, RRC2054, ...). Available for 90° or 180° PCB mounting.

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