RRC3570-4

Standard Battery Pack Li-Ion

25.20V / 15.99Ah / 407.43Wh

Datasheet



PRODUCT DATA SHEET RRC3570-4

The RRC3570-4 is designed for mid-power applications in medical and industrial environments, including patient beds, ultrasound systems, mobile medical carts, UPS systems, and audio equipment, and more.

In total, we count more than 4000 design-ins for our standard batteries, which is why the safety and reliability of our products is unmatched.

Characteristics & Benefits of the RRC3570-4 standard Li-Ion battery pack:

- Worldwide approvals and certification of safety standards
- No development costs, fast time-to-market
- SMBus/CAN communication possible
- Integrated LED for State of Charge (SoC) and State of Health (SoH)
- IP54 ingress protection
- Easy to handle
- State-of-the-art lithium-ion cells
- High discharge performance
- JEITA charging profile optimization
- Numerous and redundant safety features
- 80% of initial capacity after 1.000 cycles

PRODUCT DATA SHEET **RRC3570-4**



Worldwide Approvals



No NRE



Fast Time-to-Market



Highest Safety



Highest Quality



Highest Performance



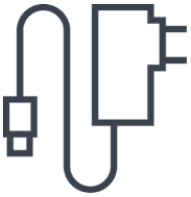
Worldwide Availability



No Obsolescence



Independent of Quantity



Extensive Accessories



Dual Sourcing Strategy



Design-In Support

Characteristics

General	
Delivery status battery capacity	<30%
Compliance information	IEC62133-2 / CE / UL2054 / CAN ICES-003(B) / NMB-003(B) / FCC / ICES / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CCC / RCM / BIS UN 38.3 / RoHS / REACH *Pending*: IEC62619/UL2271
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
Communication interface	SMBus: SBS compliant Smart Battery Interface CAN: CANopen implementation according CiA418
P/N	110338 Each battery has an individual serial number (S/N), which is located on the hardpack label for tracking & traceability.
Country of origin	Vietnam

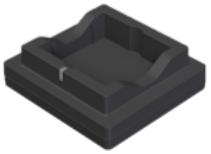
Electrical Parameters	
Nominal voltage	25.20V
Nominal (rated) capacity	15.99Ah
Charge current	8.00A
Discharge current	30.00A
Peak Discharge current	48.00A
Energy	407.43Wh

Battery Dimensions	
Length	188.50mm ± 1.00mm
Width	85.00mm ± 0.50mm
Thickness	81.50mm ± 0.70mm
Weight	~ 2.08 kg
Contacts	+, - SMBus/CANbus Sys Detect
Ingress protection	IP54

Safety Features	
CUV (Cell Under Voltage)	Protection against deep discharge
COV (Cell Over Voltage)	Protection against overcharge
OTC (Over Temperature in Charge)	Protection against overheating while charging
OTD (Over Temperature in Discharge)	Protection against overheating during discharging
OCC (Over Current in Charge)	Protection against overcurrent while charging
OCD (Over Current in Discharge)	Protection against overcurrent during discharging
OL (Overload in Discharge)	Protection against overload during discharging
SCD (Short Circuit in Discharge)	Protection against short circuits during discharging

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Recommended Accessories

Type	Product	P/N	Application
Power Management Module 	RRC-PMM35	110297	Power management module for smart battery charging with automatic power source selection. Fits to the RRC35xx standard smart batteries.
Battery Mating Connector 	RRC-MC35-180-30 RRC-MC35-90-30	211947 212418	Mating connector for standard smart batteries from RRC. Suitable for RRC35xx batteries. Available for 90° or 180° PCB mounting.
Battery Charger 	RRC-SMB-PBC	Coming soon	Desktop battery charger for RRC3570-4.

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Our special competence is the development of power solutions according to the concrete requirements of our customers. We offer both standardized as well as customized solutions for customer's applications, while guaranteeing the highest level of safety and reliability to all our products. As an international company with German roots, we have a worldwide market operation - where we provide our proven German engineering skills combined with our technical expertise and flexibility, which are necessary to meet the challenges of the growing global market.

Germany / HQ
RRC power solutions GmbH

Technologiepark 1
66424 Homburg / Saar

+49 6841 98090
sales@rrc-ps.com

USA
RRC power solutions Inc.

18340 Yorba Linda Blvd.,
Suite 107-437,
Yorba Linda, CA 92886

+1 714 777 3604
usa@rrc-ps.com

Hong Kong
RRC power solutions Ltd.

Flat F43, 7/F, Wah Lok Industrial Centre (Phase 2), 31-35 Shan Mei Street, Fo Tan, N.T.

+852 2376 0106
hkrrc@rrc-ps.cn

China
RRC power solutions Ltd.

Room 1306, C Building, Tianan International Building
Renmin South Road
Luohu District
Shenzhen 518021

+86 755 8374 1908
hkrrc@rrc-ps.cn

Vietnam
RRC POWER SOLUTIONS COMPANY LIMITED

Block C, Lot CN4
Dinh Vu - Cat Hai Economic Zone, Dong Hai 2 Ward
Hai An District, 180000
Hai Phong City

vietnam@rrc-ps.com