

RRC3570

标准锂离子电池组

25.20V / 3.90Ah / 98.28Wh

数据手册



RRC3570 已在 50 多个行业中得到广泛应用，如呼吸器、超声设备、加固计算机等。

我们的标准电池总计采用了 4000 多个设计灵感，这正是我们的产品拥有无与伦比的安全性和可靠性的原因。

RRC35xx 系列标准锂离子电池组的特性和优点：

- 具有多种功能的智能电池，符合 SMBus 规范
- 集成式 LED 充电状态 (SoC) 指示灯
- 先进的锂离子电池，具有市场上最高能量密度
- 较高的放电性能
- 优化 JEITA 充电特性
- 多项冗余安全功能
- 增强型 ESD 保护，电压高达 8.00kV
- 800 次循环后仍具有高达 80 % 的初始电池容量



全球认可



无非重复性工程费用



上市时间短



最高安全性



顶级质量



顶尖性能



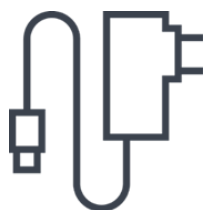
全球供货



不会过时



不受数量影响



配件丰富



双重采购策略



设计支持

Characteristics


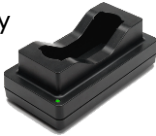

General	
Delivery status battery capacity	< 30%
Compliance information	IEC 62133 / CE / UL2054 / CAN ICES-003(B) / NMB-003(B) / FCC / ICES / UKCA / PSE / KC / BSMI / GOST-R / CMIM / CCC / RCM / BIS / TISI / UN 38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max. 0°C to 25°C recommended
Communication interface	SMBus
P/N	110125 Each battery has an individual serial number (S/N), which is located on the hardpack label for tracking & traceability.

Electrical Parameters	
Nominal voltage	25.20V
Nominal (rated) capacity	3.90Ah
Initial impedance	Max. 100mΩ @ 1kHz at 25°C
Max. charge current	6.00A
Max. charge voltage	29.40V
Max. discharge current	30.00A

Battery Dimensions	
Length	173mm ± 0.50mm
Width	80mm ± 0.40mm
Thickness	30mm ± 0.50mm
Weight	~ 655g
Contacts	+, C, D, T, -, -
Ingress Protection	IP40

Safety Features	
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
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

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.
Standard Battery Charger		RRC-SMB-HBC	110311	120.00W standard battery charger for the optimized charging process. With external power supply for worldwide use.
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.



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.

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