

RRC3570

Rechargeable Smart Battery Pack Li-Ion

25.20V / 3.90Ah / 98.28Wh

P/N: 110125



Features

- Worldwide approvals and certification of safety standards
- No development costs, fast time-to-market
- Smart batteries with numerous features according to the SMBus specification
- Integrated LED State of Charge (SoC) indicator
- State-of-the-art lithium-ion cells with the market's highest energy density
- High discharge performance
- JEITA charging profile optimization
- Numerous and redundant safety features, e.g.:
 - 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
 - Battery Life Management: protection against rapid cell ageing
- SHA-1 cryptosystem to prevent plagiarism
- Life expectancy: Up to 80% of initial capacity after 800 cycles

Applications

Suitable for use with robotic, industrial and medical devices, etc.

Specification

General	
Delivery status battery capacity	< 30%
Compliance information	IEC 62133 / CE / UL2054 / FCC / ICES / UKCA / PSE / KC / BSMI / Gost-R / CMIM / CQC / 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. -20°C to 25°C recommended

Electrical Parameters	
Nominal voltage	25.20V
Nominal (rated) capacity	3.90Ah
Initial impedance	<125mΩ @ 1kHz at 25°C
Max. charge current	4.00A
Max. charge voltage	29.40V
Max. discharge current	30.00A

Battery Dimensions	
Length	173mm ± 0.30mm
Width	80mm ± 0.20mm
Thickness	30mm ± 0.20mm
Weight	~ 650g
Contacts	+, C, D, T, -, -

Safety Parameters PCM	
Overcharge detection voltage / cell	4.25V
Overdischarge detection voltage / cell	2.50V
Overcharge detection current	6.00A
Overdischarge detection current	32.00A

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