



EVOLVEO LiPower 217 Max 5000

PRODUCT DATA SHEET

Electrical characteristics

Type / pack	Rechargeable cylindrical Li-ion; 3 separate cells
Nominal / minimum capacity	5000 / 4900 mAh
Capacity test conditions	After standard charge; discharge at 0.2C to 2.5 V; 25 ± 2 °C
Nominal voltage	3.6 V
Nominal energy	18 Wh / cell
Pack energy (sum)	54 Wh
Standard CC/CV charge	CC/CV 1.00 A $\rightarrow$ 4.20 V; termination at 50 mA; 25 ± 2 °C
Additional charge currents	Temperature-dependent maxima: see page 2
Discharge / cut-off voltage	Standard 1.00 A; cut-off 2.50 V
Internal AC impedance, 1 kHz	< 22 m Ω ; fresh cells, 25 ± 2 °C

Cell voltage varies with state of charge. Current limits apply to the cell under the stated conditions; equipment and charger limits must also be observed.

Mechanical and temperature characteristics

Cell diameter / height	max. 21.85 / max. 71 mm
Specification cell mass	< 72 g
Charge / discharge temperature	0 to +50 °C / -20 to +60 °C
Storage: up to 3 / over 3 months	-20 to +45 / -20 to +35 °C; 3.65–3.70 V
Max. charge current by temperature	$0 \leq T \leq 10$ °C: 0.50 A; $10 < T \leq 20$ °C: 2.50 A; $20 < T < 50$ °C: 5.00 A
Max. discharge current by temperature	$-20 < T \leq -10$ °C: 2.50 A; $-10 < T \leq 0$ °C: 5.00 A; $0 < T \leq 60$ °C: 10.00 A
Humidity / thermal protection	0–45% RH; cell: charge max. 50 °C / discharge max. 60 °C

Cycle life

800 charge cycles.

Recommended use

For routine charging, we recommend no more than 1.0 A per cell at +10 to +35 °C and a Li-ion CC/CV 4.20 V charger with automatic termination. These are recommended operating conditions, not maximum cell ratings. Do not short-circuit, overheat or mechanically damage the cell. Follow the common user manual and safety instructions.

Manufacturer / importer

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