



EVOLVEO LiPower 186 Core 2500

PRODUCT DATA SHEET

Electrical characteristics

Type / pack	Rechargeable cylindrical Li-ion; 3 separate cells
Nominal / minimum capacity	2500 / 2450 mAh
Capacity test conditions	After standard charge; discharge at 500 mA to 2.5 V; 25 ± 3 °C
Nominal voltage	3.7 V
Nominal energy	9.25 Wh / cell
Pack energy (sum)	27.75 Wh
Standard CC/CV charge	1.25 A $\rightarrow$ 4.20 V; terminate at 100 mA; 25 ± 3 °C
Additional charge currents	Rapid charge 4.00 A at 25 ± 3 °C; only in an approved system
Discharge / cut-off voltage	Max. continuous 20 A at 25 ± 3 °C; 2.50 V
Internal AC impedance, 1 kHz	≤ 20 m Ω at 25 ± 3 °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	≤ 18.55 / ≤ 65.20 mm (including original shrink sleeve)
Specification cell mass	≤ 47.0 g
Charge / discharge temperature	0 to +50 °C / -20 to +75 °C; cell surface temperature
Storage: 1 / 3 / 12 months	-20 to +60 / -20 to +45 / -20 to +25 °C
Storage rating condition	Ex-factory condition, state of charge below 30%

Cycle life

Up to 800 charge cycles. Actual cycle life depends on charging, discharging, temperature and storage conditions.

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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