



EVOLVEO LiPower 186 Core 2500

PRODUCT DATA SHEET

Electrical characteristics

Type / pack	Rechargeable cylindrical Li-ion; 3 separate cells
Nominal capacity	2500 mAh
Capacity test conditions	After standard charge; discharge at 1.25 A to 2.75 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 → 4.20 V; terminate at 25 mA ; 25 ± 3 °C
Additional charge currents	Maximum charge current 1.25 A (0.5C)
Discharge / cut-off voltage	Max. continuous 2.5 A at 25 ± 3 °C; 2.75 V
Internal AC impedance, 1 kHz	< 55 mΩ 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.

EVOLVEO LiPower 186 Core 2500

Mechanical and temperature characteristics

Cell diameter / height	18.3 ± 0.3 / 65.3 ± 0.3 mm
Specification cell mass	45 ± 2 g
Charge / discharge temperature	0 to +50 °C / -20 to +60 °C; cell surface temperature
Storage: 1 / 3 / 12 months	-20 to +60 / -20 to +40 / -20 to +25 °C
Storage rating condition	Store dry; check state of charge regularly.

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

Abacus Electric, s.r.o.
Planá 2, 370 01, Czech Republic
Company ID: 45022828
helpdesk@evolveo.com
www.evolveo.com