

PRO 100 SLIM Lithium Battery

100 Ah



Ultra-slim and stackable



Suitable for under-seat installation

LiFePO₄ Lithium Technology with a Solid-Liquid Hybrid Electrolyte

The battery is based on a solid-liquid hybrid electrolyte architecture. This design is intended to combine performance and reliability while facilitating integration into a wide range of applications.

- **Advantages over lithium-ion batteries**
- **Higher charging current:** enables shorter charging times.
- **Ultra-slim design:** just 59 mm thick to optimize battery installation in motorhomes, campervans, and vans.
- **Reliability:** a dedicated cell architecture designed to meet safety requirements.
- **Safer operation:** no liquid, reducing risks associated with heat or impact.
- **Long service life:** limited ageing and higher number of charge cycles.
- **Compact integration:** smaller, lighter cells for flexible applications.
- **Sustainability potential:** better recyclability and reduced environmental impact.



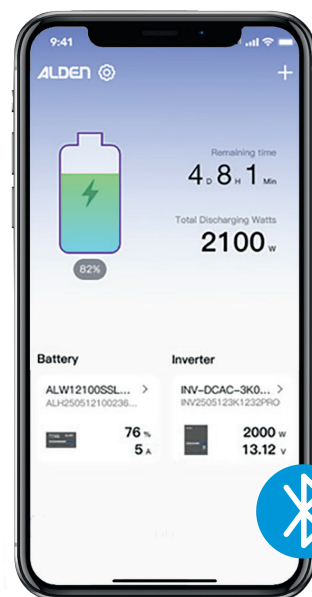
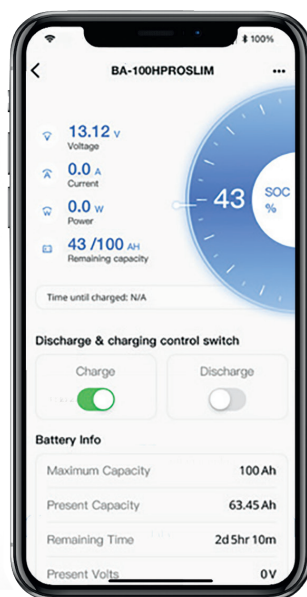
With built-in heating



Integrated Battery Management System
Bluetooth 4.0 via the ALDEN PRO app

Installation options in vehicles

- **Engine compartment** (if sufficient space is available).
- **Under or behind the rear seat** (protected installation).
- **Load platform**
- **Storage spaces** under the floor or on the sides of the cargo area.
- **Secure and easily accessible** fastenings.
- **Extra-flat design**, stackable up to 16 modules.



* With the ALDEN Pro app, you can monitor and manage all your ALDEN Pro devices in real time directly from your smartphone via Bluetooth. Available on the Apple App Store and Google Play.



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Technical specifications

Rated capacity	100 Ah
Rated voltage	12,8 V -> 1280Wh
Recommended charging current:	20-50 A (max. 100 A)
Discharge current:	Max. 200 A
Charge temperature range	-20°C to 55°C
Discharge temperature range	-20°C to 60°C
Storage temperature range	-20°C to 60°C
Operating Relative Humidity	5 to 95%
Heating film	Yes
Life cycle	Up to 6000 cycles at 80% DOD
Communication	Bluetooth, CAN
Dimensions (L x W x H)	579x290x61 mm
Weight	13,4kg
International protection rating	IP67, vibration resistant
Connection terminals	M8x18mm
Mounting	4-leg kit, size adjustable according to the number of batteries
Enclosure material	External aluminum / internal structure
Warranty	7 years or 6000 charge cycles

Compliance

Certifications	CE, ROHS, ECE R10, MSDS, UN38.3, UKCA
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Dimensions

L x W x H (mm) 579 x 290 x 61

