

Lithium SOLID STATE **PRO** Battery Super SLIM

100 Ah



Ultra flat and stackable

 Geeignet für
Untersitzmontage

 **With integrated frost protection heating**

 **With integrated Bluetooth 4.0 Battery Management System* via PRO App**

Installation options in vehicles

- **Engine compartment** (if sufficient space is available)
- **Under or behind the rear seat** (protected installation)
- **Storage compartments** under the floor or at the sides
- **Rear area** (securely fixed and easily accessible)

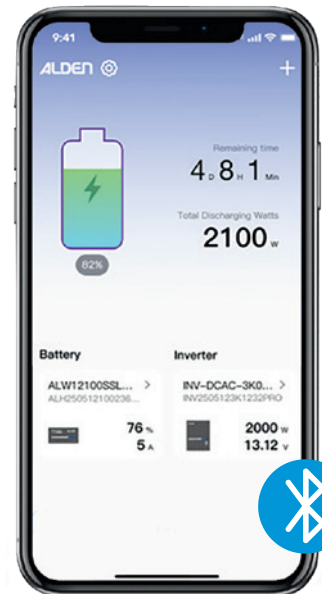
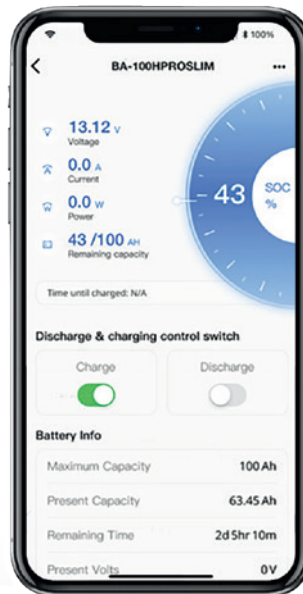
Solid State Battery Technology

Solid-state batteries are a further development of conventional battery technologies. Instead of liquid or gel-like electrolytes, they use solid electrodes and a solid electrolyte. This design increases safety, energy density, and lifespan, opening up new application possibilities.

Advantages compared to lithium-ion batteries

- **High energy density:** more capacity with the same size, ideal for range and runtime
- **Safe operation:** no liquids, reduced risk of thermal issues
- **Long lifespan:** reduced aging, higher number of charge cycles
- **Fast charging capability:** shorter charging times possible
- **Wide temperature range:** reliable even in cold or heat
- **Compact integration:** smaller and lighter cells for flexible applications
- **Sustainability potential:** improved recyclability, lower environmental impact

- **SOLID STATE PRO SLIM:**
Ultra-flat design
stackable up to 16 x 100 Ah



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

Technical and/or visual changes may be made without prior notice. Errors and misprints excepted.

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Technical Data | BA-100H-PRO-S

Nominal capacity	100 Ah
Nominal voltage	12,8 V -> 1280Wh
Charging voltage range	14,2V - 14,6V
Max. continuous charging current	100A
Max. continuous discharge current	200A

Temperature ranges

Charging	-20°C to 55°C
Discharging	-20°C to 60°C
Storage	-20°C to 60°C

Other specifications

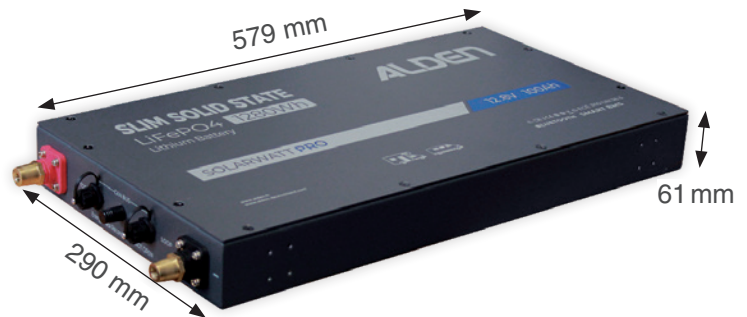
Operating relative humidity	5 to 95%
Frost protection heating	yes
Service life	6000 cycles (80%DOD, 80%EOL)
Communication	Bluetooth, CAN
Dimension	579x290x61 mm
Weight	13,4kg
Protection class	IP67 and vibration resistant
Housing	Aluminium inside and outside
Terminal bolt size	M8x18mm
Warranty	7 years or 6000 cycles

Compliance

Certificates	CE, ROHS, ECE R10, MSDS, UN38.3, UKCA
Battery registration no.	DE 91955795

Dimensions

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



Ultra flat and stackable