

SMART LFP POWER, ENGINEERED FOR THE NORTH

Naali

ACB13A

12.8 V / 105 Ah / 1.34 kWh

A rugged, connected energy platform for mobile, marine and off-grid systems where dependable power, intelligent protection and system visibility matter.

SMART HEATING

CAN BUS

BLUETOOTH

VICTRON READY



BUILT FOR DEMANDING ENERGY SYSTEMS

Power that communicates.

Naali combines A-grade LiFePO₂ cells with an AbyssCore smart BMS, active balancing and application-level connectivity. Monitor battery health in detail, integrate with supported energy systems and keep critical loads protected.

100 A

CONTINUOUS DISCHARGE

200 A

30-SECOND PULSE

>3,500

CYCLES TO 80% SOH

9.5 kg

BATTERY WEIGHT

01

Arctic adaptability

Integrated smart heating and temperature-aware BMS protection support demanding cold-climate installations.

03

Granular telemetry

Track voltage, current, temperatures, SOC, SOH, energy, capacity, cell values and error states.

02

Connected by design

CAN bus and Bluetooth enable system integration, setup, firmware updates and mobile monitoring.

04

Application-ready

Adaptable enclosure and connectivity options support mobile, marine, solar and specialist OEM projects.

TECHNICAL DATA

Naali / ACB13A

12.8 V smart LiFePO₂ battery with integrated heating, active balancing and connected battery management.

Nominal voltage	12.80 V	Maximum voltage	14.65 V
Minimum voltage	10.00 V	Nominal capacity	105 Ah / 1.34 kWh
Continuous discharge	100 A	Pulse discharge	200 A / 30 s
Maximum charge	100 A	Balancing current	2 A
Discharge temperature	-20 to +55 °C	Charge temperature	0 to +55 °C
Cycle life	>3,500 cycles to 80% SOH	Cell chemistry	LiFePO ₄ , A-grade
Dimensions (W x D x H)	230 x 175 x 163/183 mm	Weight	9.50 kg
Communication	CAN bus / Bluetooth	Integration	Victron and compatible systems

SMART BMS VISIBILITY

Know what the battery is doing.

- Pack and individual cell voltage
- Current and operating state
- Cell and power-stage temperatures
- State of charge and state of health
- Energy, remaining capacity and errors

DESIGNED TO INTEGRATE

Built for the complete system.

- Mobile and recreational vehicles
- Marine auxiliary energy
- Solar and off-grid storage
- Specialist rescue and field equipment
- Custom OEM and infrastructure projects

FIELD-PROVEN CUSTOMER RESULT

“The Akkutalo Naali A13 was the only battery to meet our requirement of maintaining 36°C for four hours. In a laboratory test it exceeded 24 hours without signs of diminishing before the test was terminated.”

ARCTIC RESCUE SYSTEM OY

Product information: Specifications are based on document ACB13A v1.0 (2026-01). Product configuration and integration requirements may vary by application. Verify the final specification, charging design, protection, certification and installation requirements before ordering or installation. CE status is stated for the cells and BMS in the supplied product information. Information is subject to change without notice.