

SMART LFP POWER, ENGINEERED FOR THE NORTH

Naali

ACB54A

48.0 V / 105 Ah / 5.04 kWh

A high-voltage smart LFP platform for demanding energy systems, off-grid storage and professional installations requiring reliable, connected power in extreme conditions.

ACB54A

Image coming soon

SMART HEATING

CAN BUS

BLUETOOTH

ACTIVE BALANCE

BUILT FOR DEMANDING ENERGY SYSTEMS

Power that communicates.

Naali combines A-grade LiFePO_4 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

38 kg

BATTERY WEIGHT

01 Arctic adaptability

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

02 Connected by design

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

03 Granular telemetry

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

04 Application-ready

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

TECHNICAL DATA

Naali / ACB54A

48.0 V smart LiFePO₄ battery with integrated heating, active balancing and connected battery management.

Nominal voltage	48.0 V	Maximum voltage	54.75 V
Minimum voltage	40.0 V	Nominal capacity	105 Ah / 5.04 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
Heating system	Active, -40 °C cold-start	Cell chemistry	LiFePO ₄ , A-grade
Dimensions (W×H×D)	290×255×370 mm	Weight	38 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

A professional energy storage solution engineered for the most demanding off-grid and mobile installations. The 48 V platform enables system architects to deliver reliable, high-capacity power where it matters most.

SUOMEN AKKUTALO OY — FIELD APPLICATION

Product information: Specifications are based on document ACB54A v1.0 / 2026-08. 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.