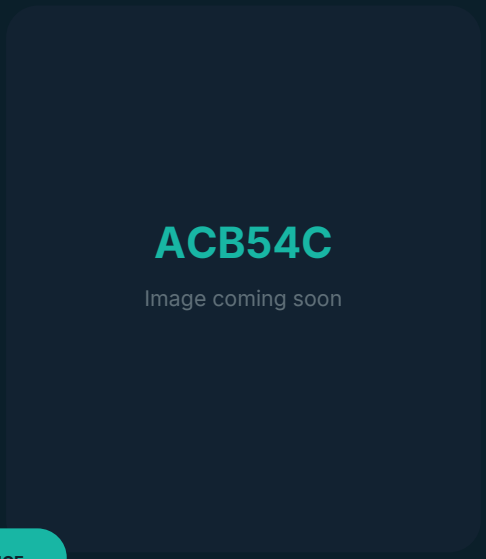
SMART LFP POWER, ENGINEERED FOR THE NORTH

Naali

ACB54C

12.8 V / 420 Ah / 5.4 kWh

A high-capacity smart LFP platform for demanding 12 V energy systems, off-grid storage and professional installations requiring reliable, connected power in extreme conditions.



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	200 A	>3,500	38 kg
CONTINUOUS DISCHARGE	30-SECOND PULSE	CYCLES TO 80% SOH	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 / ACB54C

12.8 V smart $LiFePO_4$ 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	**420 Ah / 5.4 kWh**
Continuous discharge	**100 A**	Pulse discharge	**200 A / 30 s**
Maximum charge	**200 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

The Naali 5.4 kWh platform is available in 12.8 V, 25.6 V and 51.2 V configurations from the same enclosure — a high-capacity 12 V option for marine, mobile and off-grid systems.

SUOMEN AKKUTALO OY

Product information: Specifications are based on document ACB54C v1.1 / 2026-10. 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.