HEATED VERSION

AuroraCell

9,28 kWh · 48 V

RESS Pack

Residential Energy Storage System

Standalone sodium-ion storage engineered for safe, long-life residential energy independence.

ULTRA SAFE

Sodium-ion System

Designed for safe residential energy storage

30.000 CYCLES

@ 100% DoD

9,28 kWh

RATED ENERGY



FLOOR-STANDING • PASSIVE COOLING • IP55

20 YEARS

Performance Warranty*

For normal residential daily cycling

*Limited warranty. Full signed warranty terms and operating conditions apply.

MADE FOR RESIDENTIAL STORAGE

Safe. Scalable. Built for daily use.

AuroraCell combines sodium-ion NCO chemistry, an integrated BMS and factory heating in a compact 48 V 200 Ah residential storage platform.

Na+ Sodium-ion chemistry

NCO cell chemistry designed for stable, long-life residential operation.

SAFE Ultra-safe design

Integrated protection logic and maintenance-free, enclosed construction.

30k Long cycle life

30,000 cycles at 25°C and 100% depth of discharge under specified conditions.

-20-60 Wide charging range

50 A charging from -20°C to 60°C with factory heating; charging enabled by the BMS.

−40 Cold discharge

100 A discharge from -40°C to 60°C within the BMS operating window.

15× Modular expansion

Up to 15 packs in parallel; the first pack coordinates the connected packs.

Compatible with leading 48 VDC hybrid inverter platforms

Communication and operating settings must be commissioned for the selected inverter.

- Victron
- Deye
- Solis
- Growatt
- Schneider Electric
- SMA
- Sungrow
- SOFAR
- Studer
- Ingeteam

Additional compatible brands may be available on request.

AuroraCell®

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Technical data

Pack specifications for the November 2026 heated version.

Electrical & performance

Rated energy	9.28 kWh @ 100% DoD
Nominal capacity	200 Ah
Nominal voltage	46.4 V
Operating range	32.0–54.4 V
Cell configuration	16S1P
Chemistry	Sodium-ion NCO
Charge current	50 A (-20 to 60°C)
Continuous discharge	100 A (-40 to 60°C)
Pulse discharge	200 A / 1 min max
System resistance	≤ 50 mΩ
Battery RTE	≈ 95%

Operating & mechanical

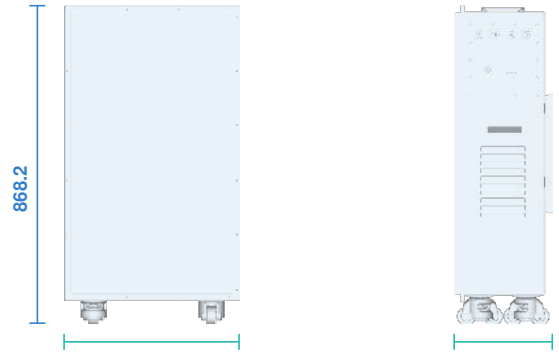
Charging temperature	-20 to 60°C (BMS heating)
Discharge temperature	−40 to 60°C
Cycle life	30,000 @ 25°C / 100% DoD
Ingress protection	IP55
Overall dimensions	478.5 × 268.2 × 868.2 mm
Approx. weight	Approx. 110 kg
Cooling	Passive / no active cooling
Parallel operation	Up to 15 packs
Pack coordination	First pack controls others
Product warranty	10 years limited
Performance warranty	20 years limited

Factory heating is controlled by the BMS. Charging is permitted only when enabled by the BMS.

Sheltered outdoor use: protect from direct rain, snow, standing water and high-pressure water jets.

Overall dimensions

W × D × H | mm



Overall CAD envelope, incl. protrusions.

Documentation & compliance

COMPLETE

MSDS · User Manual · Product Brochure
UN38.3 · CE Certification · IEC 62619 Test Report
Battery Regulation: certified
UL9540A: done · CE-EMC: done

PENDING

UL9540 · UL1973

November 2026 heated version.

LONG-TERM ASSURANCE

Warranty & usable energy

Clear warranty positioning and a practical inverter cut-off reference for system design.

20 YEARS

Limited Performance Warranty

Normal residential daily charge-and-discharge cycling*

25 YEARS

Design Life

Design target; not an extra warranty term

Also included: 10-Year Limited Product & Workmanship Warranty

*The 20-year performance warranty applies to normal residential daily cycling within the BMS-defined operating window and compatible inverter settings. It is not a fixed retained-capacity, usable-energy or AC-output guarantee. Full signed warranty terms, exclusions and claim requirements apply.

Inverter lower cut-off reference

Battery-side reference values

Inverter lower cut-off voltage	Approx. usable battery energy
32 V	9.30 kWh
34 V	9.10 kWh
36 V	8.80 kWh
38 V	8.40 kWh
40 V	8.10 kWh
42 V	7.70 kWh

SYSTEM-DESIGN NOTE

Usable-energy values are approximate. Actual delivered energy varies with temperature, current, wiring losses, BMS reserve and inverter efficiency. Use only approved lower cut-off and communication settings.

HEATED VERSION

Product photographs

Connection-panel and side views of the heated version.



Connection-panel view



Side view