



Hummingbird®

Mobile high power charging station with
integrated battery capacity

Purpose

Hummingbird® eliminates the energy wasted by transporting larger electric vehicles to the charging station by bringing the charging station to the vehicle replacing fossil fueled generators and facilitating efficient charging of larger electric vehicles and machinery in areas where adequate power is not available.

Mobility

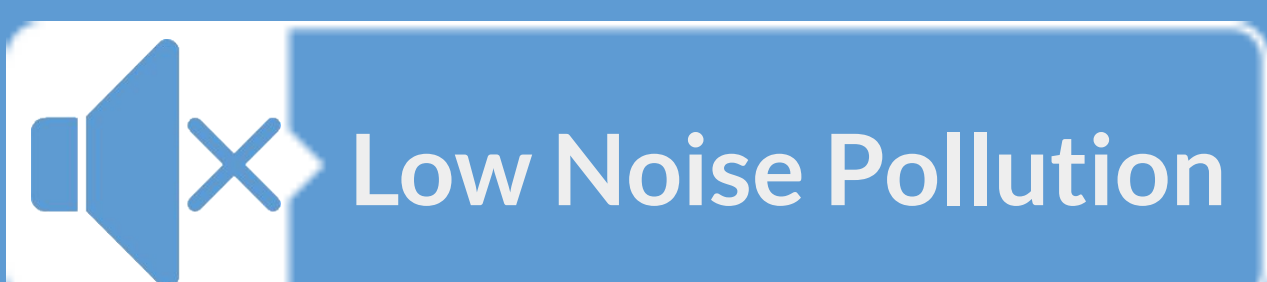
Hummingbird® is encapsulated in a custom lightweight container to ensure that the total weight does not exceed 3.500kg.

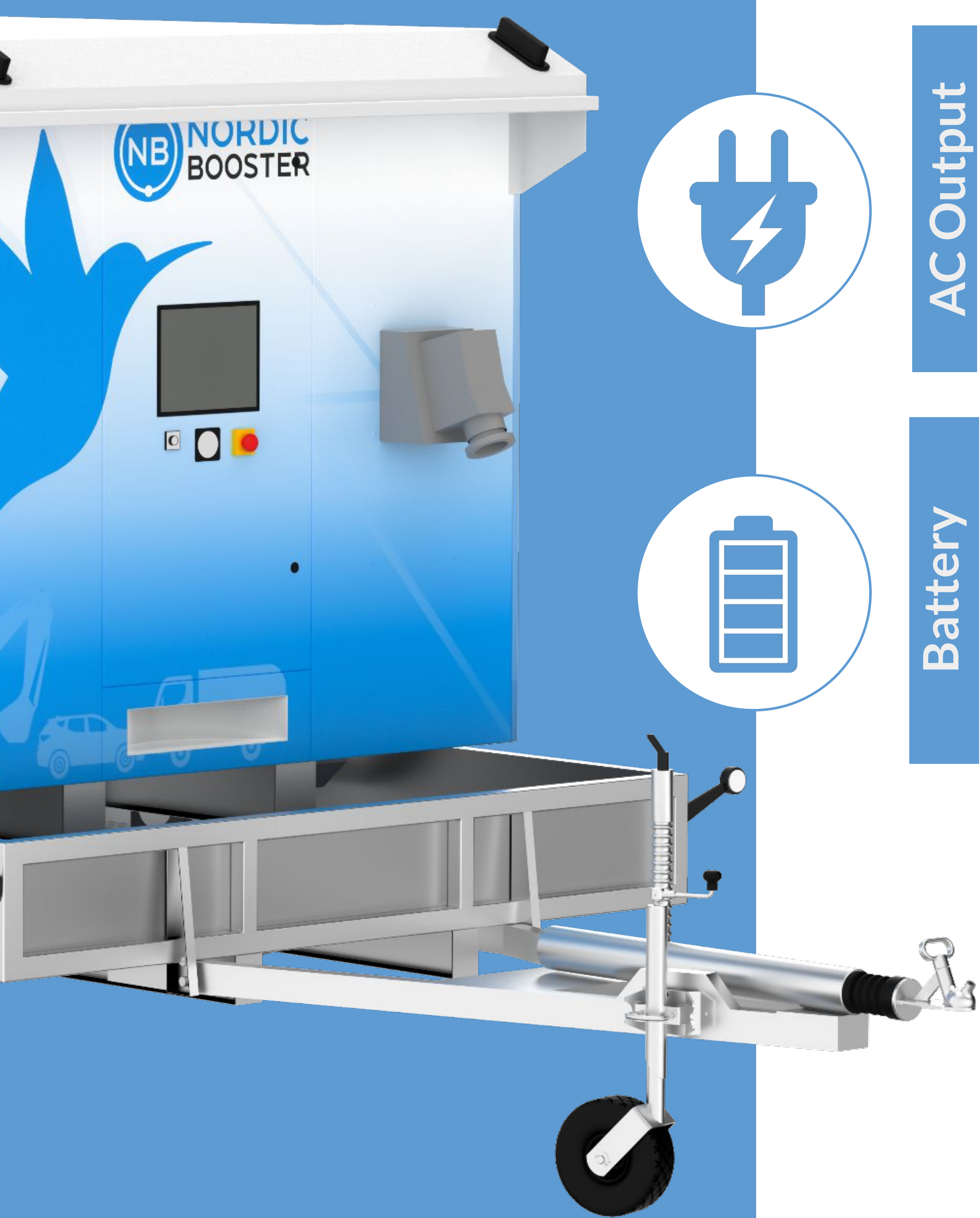
Use Cases

Zero-emission construction sites.
Charging of electric buses and trucks.
Emergency charging to stranded vehicles.

Remote Control and Monitoring

Hummingbird® is delivered with standalone fleet management software for remote control, monitoring, analysis, and service. Features include automatic generation of reports and optimization of charging patterns. The software is developed in-house and can be tailored to customers specifications.





Safety Measures

Certification	UN38.3, NEK400, CE, and IEC: 61439-2:2020, 61851-1:2017, 61851-23:2014, 62619:2017.
Fire Protection	Active Monitoring and alarm. Contamination protected battery room, no external air and dust.
Temp. Management.	Active Battery Cell Monitoring.. Air conditioning for regulation of temperature
Communication	Secured MQTT protocol over 4G for remote control and monitoring.

CCS Output

Nmb of CCS Cables	1
Max <u>Continuous</u> Output Power	150 kW
Output Voltage	150-920VDC

AC Input

Network (TN)	3-phase 50Hz 400VAC
Max Input Power	86 kW
Connection Type	125A CEE

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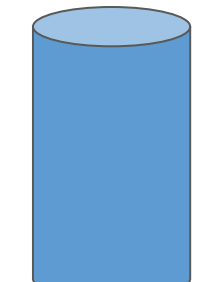
Battery

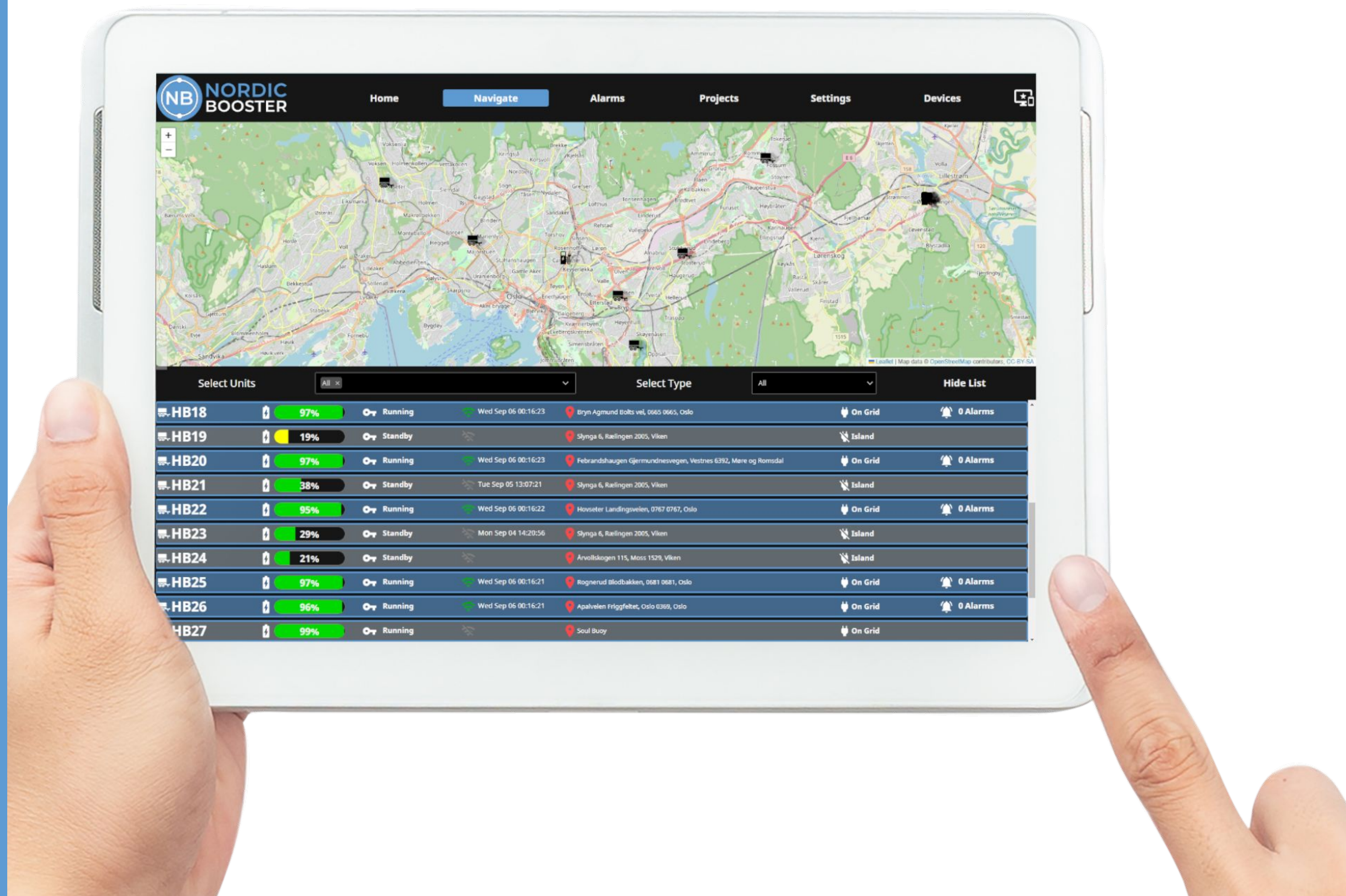
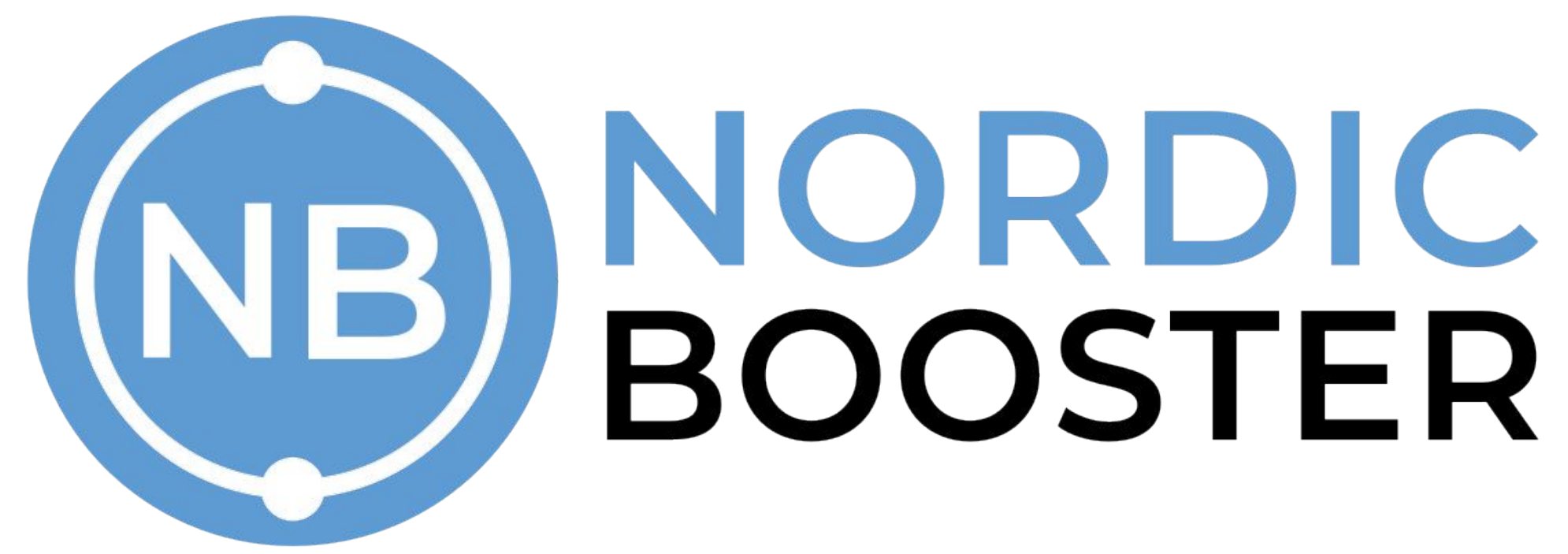
Brutto Capacity	240 kWh*
Usable Capacity	192 kWh
Battery Cells	NMC Li-Ion
Cycle Life	8000 cycles @ 100% (70% EoL)

*Estimated total capacity. Based on industry standard and battery cell data

HMI Touch Screen

Hummingbird® is delivered with a HMI touch screen for direct control of its functionalities. Access to various functionalities is granted based on user access levels and RFID user identification.

-  **Grid Compliant**
-  **1 @ 150 kW**
-  **Booking Ready**
-  **OCPP & 5G/4G**
-  **Cloud Connected**
-  **Database Storage**



Contact us



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