NORDIC
BOOSTER

Boostcharger - Heavyduty

A utility-scale battery combined with a high power charging system for simultaneous charging

www.NordicBooster.com

Made in Norway

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Purpose

Boostcharger is a utility-scale battery combined with a high power charging system. Its purpose is to facilitate efficient charging of larger electric vehicles and machinery in areas where adequate power is not available.

Mobillity

Boostcharger is encapsulated in an ISO 20’ EI60 container with standard dimensions to ensure mobility, robustness, and reusability. It can be delivered in 10’feet & 40’ feet container.

Use Cases

Charging of electric trucks and buses.
Zero-emission construction sites.
Temporary upgrades of charging stations.

Remote Control and Monitoring

Boostcharger 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.

Built in fire safety

Rapid deployment

Scalable battery < 1MWh

CCS Output

Nmb of CCS Cables	2 pcs, 400 Amps. (Option 2 - 4, liquid cooled (500 A)
Cable length	Up to 8 meter
Max <u>Continuous</u> Output Power	360 kW
Output Voltage	150-920VDC

AC Input

Network (TN)	3-phase 50Hz 400VAC
Max Input Power	Scalable up to 1 MW
Connection Type	Powerlocks max 660A 125A CEE Other optional*

AC Output

Network (TN)	3-phase 50Hz 400VAC
Max Output Power	Scalable up to 1 MW
Connection Type	Module X, Powerlocks , CEE

Battery

Brutto Capacity in 20’ feet container	1,2 MWh**
Usable Capacity	1MWh
Battery Cells	NMC Li-Ion
Cycle Life	8000 cycles @ 100% (70% EoL)

Safety Measures

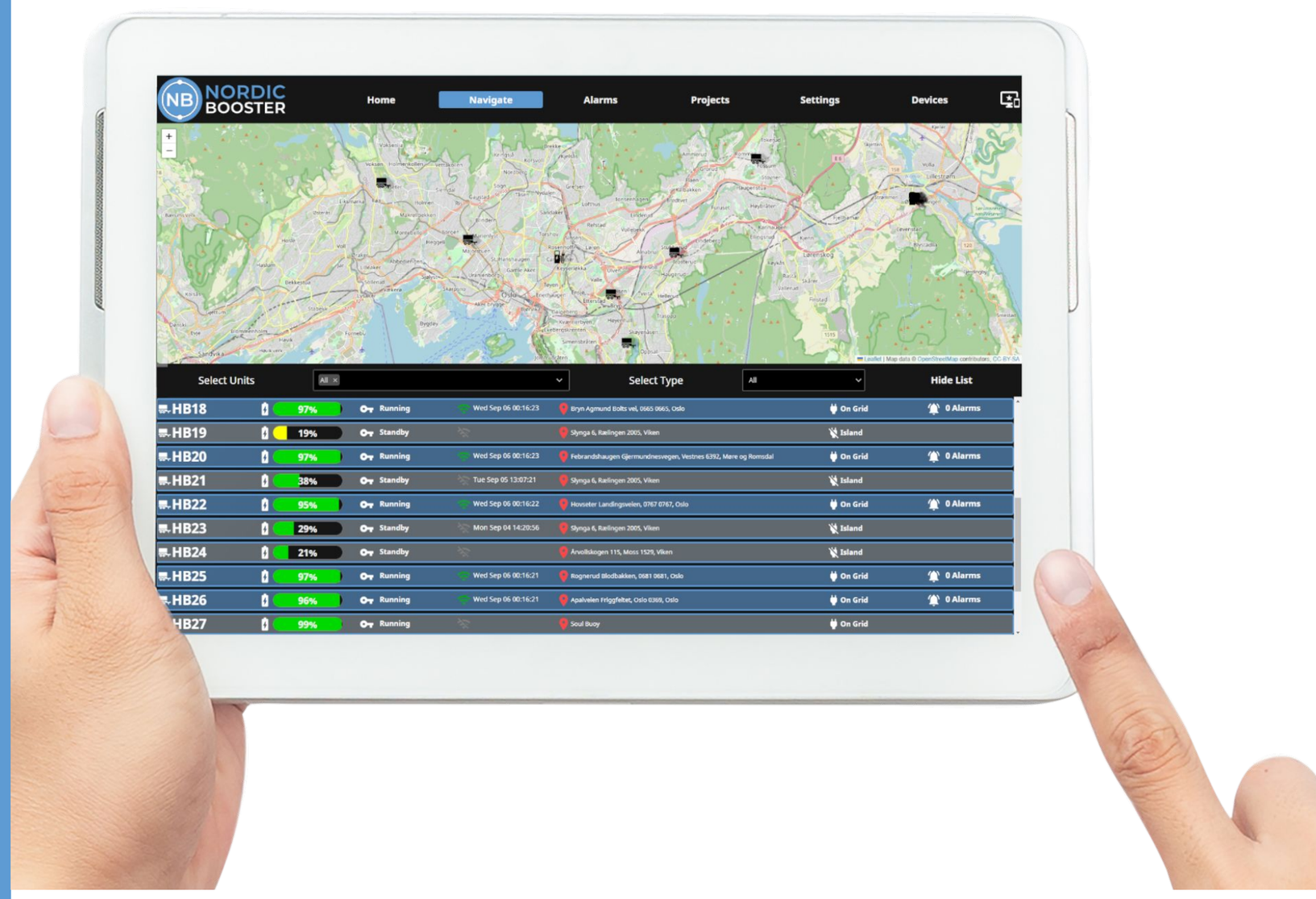
Certification	UN38.3, NEK400, CE, and IEC: 61439-2:2020, 61851-1:2017, 61851-23:2014, 62619:2017.
Fire Protection	Active Monitoring and alarm. EI60 Insulated Container. Contamination Protection, no external air and dust. Firehose Connection
Gas Protection	Active gas monitoring and forced exhaust to prevent the possibility of explosion
Temp. Maqmt.	Active Battery Cell Monitoring with thermostats. Air conditioning for regulation of temperature
Communication	Secured MQTT protocol over 4G for remote control and monitoring.

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

HMI Touch Screen

Boostcharger 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
- 2 x 360kW or 4 x 180 kW
- 6 x Type 2 (Wallbox)
- Booking Ready
- OCPP & 5G/4G
- PV Compatible
- Cloud Connected
- Database Storage



Contact us

www.NordicBooster.com

Sales@NordicBooster.com

+47 24 0 77 55 0