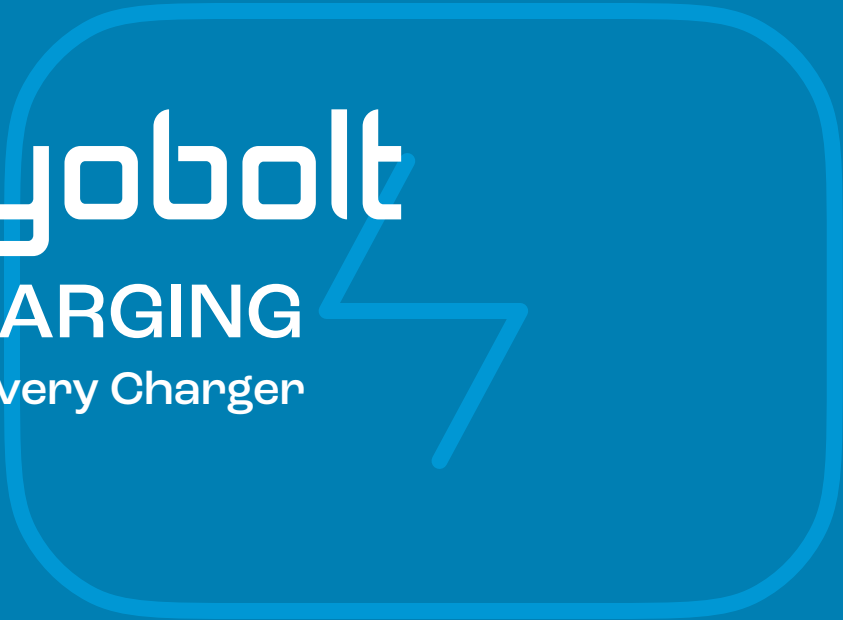




nyobolt

CHARGING

Recovery Charger



The world's most compact mobile EV fast charger

The Nyobolt Recovery Charger is designed to efficiently handle EV out-of-charge calls by Roadside Recovery Operators and Electrical Equipment Operators.

The technology provides an average EV with 15 miles of range in 8 minutes of charging time.

The charger itself can then be recharged back from a standard EV fast-charging station in 6 minutes to become ready for another use.

It meets automotive standards for safety, EMC emission, vibration resistance and overall durability with a design life of 8 years.



15 miles in 8-min



up to 19 miles



88 kg



6-min to charge back



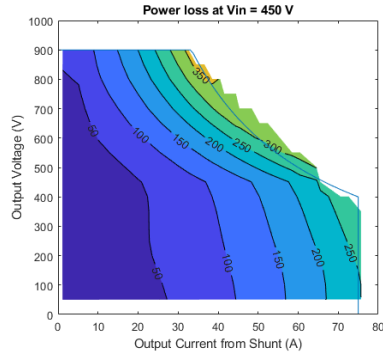
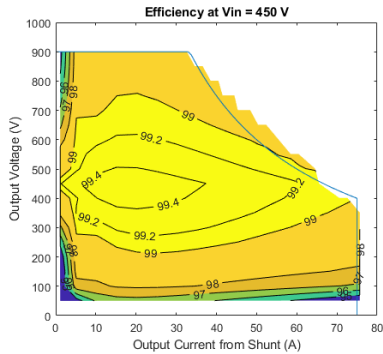
Specification

Power	30 kW DC
EV charging speed	5 minutes for 9 miles* 8 minutes for 15 miles* 10 minutes for 18 miles*
EV charging capacity	Up to 5.2 kWh or 19 miles*
EV charging connector	CCS2 / CCS1 / NACS
Weight and size	88 kg (194 lbs.) / 39x66x74 cm (15x26x29 inch)
Battery pack	Nyobolt advanced li-ion 5.2kWh @ 400V
Recharge time	6 minutes 0-100%
Battery cycle life	80% state of health after 2.500 cycles @ 6-min recharging
DCDC power module	Nyobolt Silicon Carbide (SiC) 30 kW single module
Output voltage	Up to 900V
Output current	Up to 75A
Operating temperature	-20 to +55 °C
Safety certifications	Product-level CE/UL certification Battery certified and tested to ECE R100.2 and UN38.3

* reference EV consumption 270 Wh/km

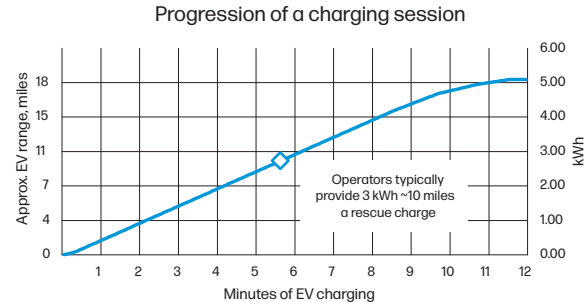
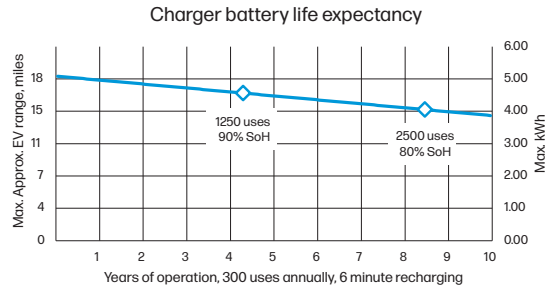
DCDC Power Module

Nyobolt 30 kW high-efficiency DCDC power module utilizes Silicon Carbide semiconductors, high-performance magnetics and novel real-time digital control to achieve conversion efficiencies of over 99%.



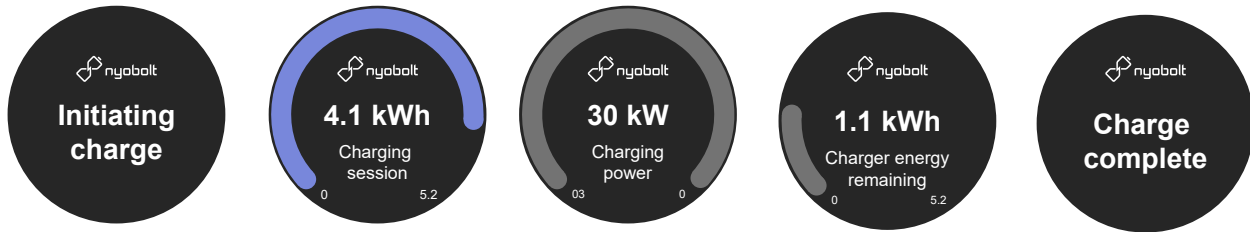
High-Performance Battery

The Rescue Charger features a high-performance battery pack designed and developed by Nyobolt exclusively for this application and that is not available in any other product. The system is based on advanced li-ion chemistry and operates at a nominal voltage of 400V with forced air cooling. The battery is certified and tested to ECE R100.2 and UN38.3.



Display and User Interface

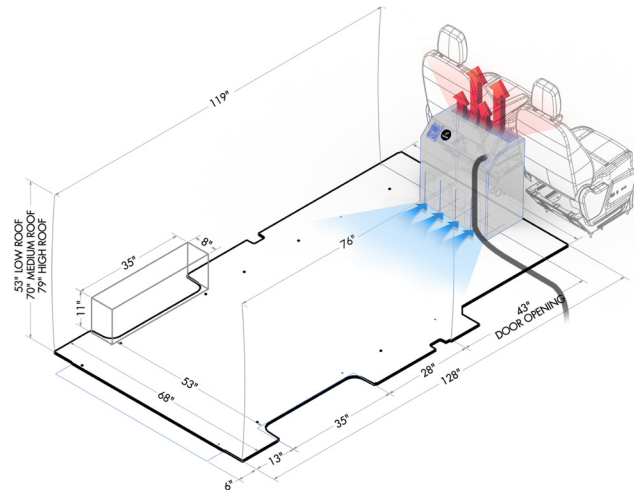
The charger has Plug & Play operation. A charging session initiates automatically when a charging cable is inserted. The user interface is a single button (on/off) with an information screen that cycles through accurate real-time data readings:



Recommended Vehicle positioning

Accommodates multiple in-vehicle positions. An upright position at the bulkhead, cantered is recommended, albeit other options are available.

www.nyobolt.com | product@nyobolt.com | v2024-07





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More power in less time

To find out more visit
www.nyobolt.com

Or contact us at
product@nyobolt.com

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