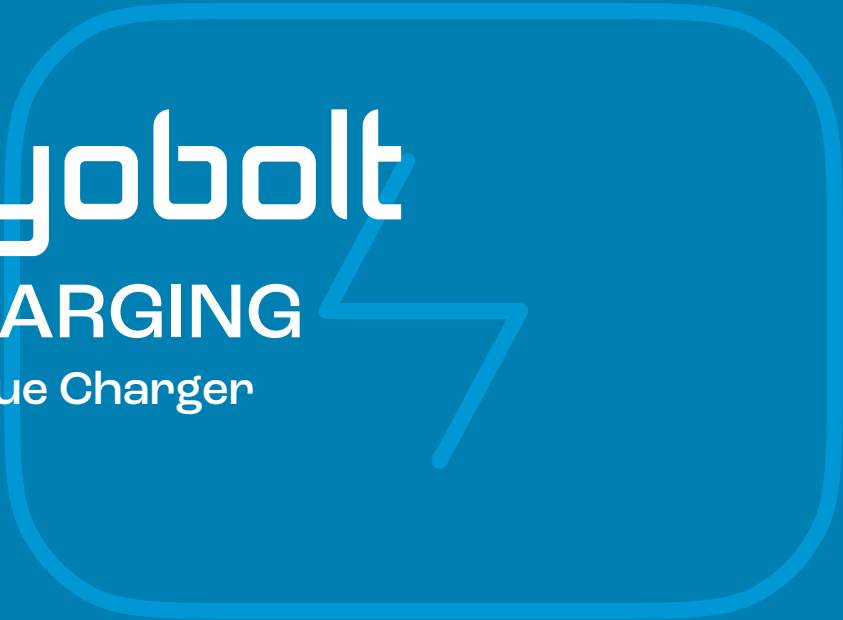




nyobolt

CHARGING

Rescue Charger



# The world's most compact mobile EV fast charger

The Nyobolt Rescue 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



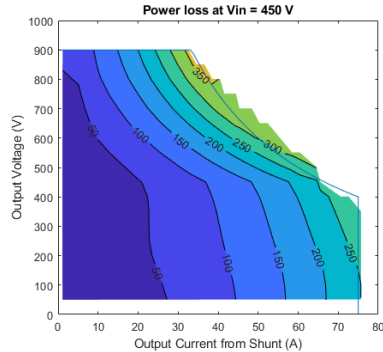
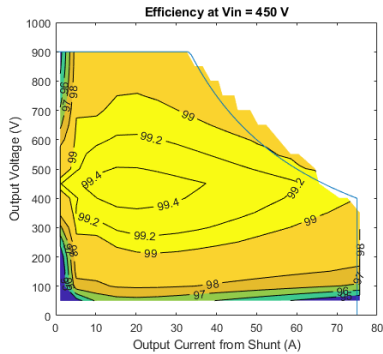
# Specification

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

\* reference EV consumption 270 Wh/km

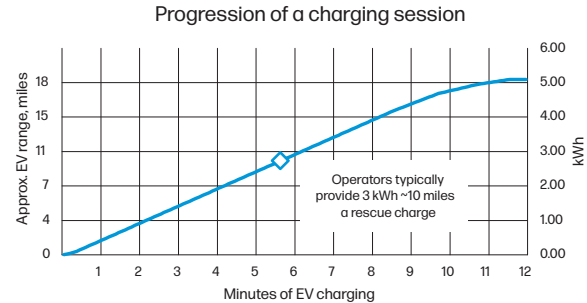
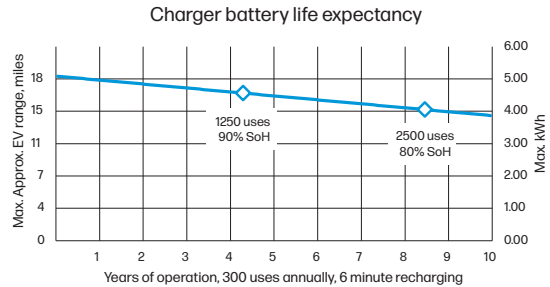
# DCDC Power Module

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%.



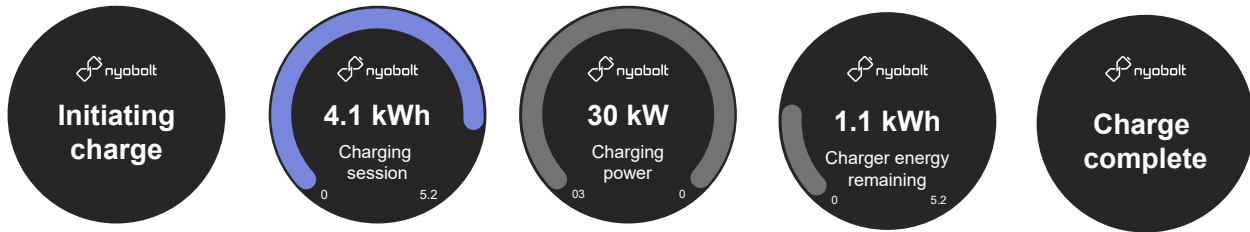
# High-Performance Battery

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.



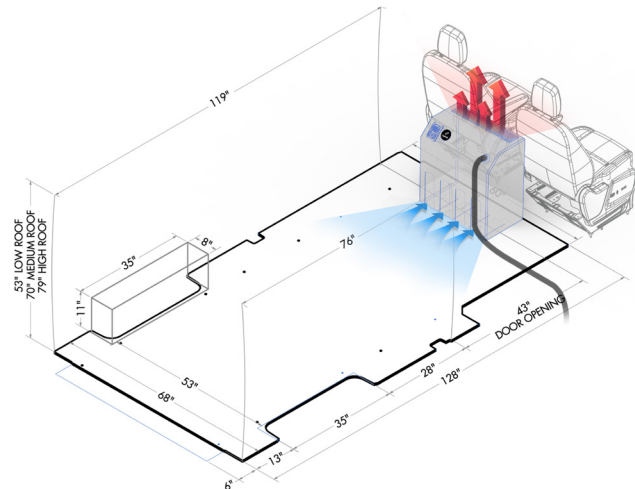
# Display and User Interface

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.





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More power in less time

To find out more visit  
[www.nyobolt.com](http://www.nyobolt.com)

Or contact us at  
[product@nyobolt.com](mailto:product@nyobolt.com)

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