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NZTAP TECHNOLOGY  
CASE STUDY/FEATURE



## NZTAP MANUFACTURER CASE STUDY

### MANUFACTURER BACKGROUND

Sun Country Highway Ltd. is a progressive Canadian owned company leading the electric vehicle movement by raising awareness and promoting the adoption of zero emission transportation.

Sun Country has made it possible to travel across Canada with reasonable EV charge times through the deployment of a high powered Level II EV charging network. Our initial goal was to support the growth of Electric Vehicle Charging infrastructure in order to sustain the EV movement. This initiative has been, and continues to be, funded without outside investors or government incentives. To date, we are responsible for deploying thousands of charging stations throughout North America and have made it possible to travel from coast to coast, emission free.



### WHAT IS IT?

Electric Vehicle charging stations. Sun Country Highway charging stations meet UL standards and are compatible with all electric vehicles on the market today.

The EV Series is the most versatile and affordable, high power line of chargers from Sun Country Highway. Designed to take the wear-and-tear of everyday use, with a weatherproof NEMA 4 enclosure. Perfect for home or commercial installations with 32A or 7.7kW of continuous power. Unit comes with 25ft of cable and holster.

The EV60 provides high quality and high power charging at a low price. With a weatherproof NEMA 4 enclosure, it is designed to take the wear-and-tear of everyday use in all environments. The EV60 is built and tested to automaker standards, ensuring a reliable charge, every time with 48A, 11.5kW of continuous power. Unit comes with 25ft of cable and holster.

The SCH-20 from Sun Country Highway is the ideal solution for home charging. SCH20 provides 16 Amps, 3.8kW of charging power in a durable and compact package. The Level II charger works with all plug-in vehicles, built and tested to automaker standards to ensure a reliable charge every time.



## CONTACT?

Do we want to provide contact info here

## INSTALLATION

The builder will need to prepare the house for EV ready (rough-in for the garage). We recommend accommodating the minimum 200A panels in your construction. Our EV charger is installed with a 40A breaker. The size of the wire is 8 gauge. You will be able to install two chargers on a 40A breaker.

The installation of the charging stations is completed by Sun Country or our recognized installers.

## STANDARDS & CERTIFICATIONS

All products meets all applicable Canadian standards.

- UL 2594 Charging Station Supply Equipment
- UL 2231 Personal Protection Device (i.e. CCID Hardware)
- UL 1998 Standard for Safety Related Software
- NEC 625 Electric Vehicle Charge System
- SAE-J1772TM Electric Vehicle Conductive Charge Coupler
- SPE-1000 certification – field inspections
  - 300 units per year in Ontario
  - 500 units per year in Quebec
- ENERGY STAR® certified

## BENEFITS AND COSTS

- Works with any electric vehicle
- Electric cars are cheaper to operate and maintain, reduce greenhouse gas emissions and deliver better performance
- Electricity costs less than gas. The average Canadian driver, travelling 20,000 km per year, can save as much as \$2,000 per year on fuel alone.