

# Definitions

**EVSE** – Electric vehicle supply equipment, also known as a charger.

**EVEMS** – Electric vehicle energy management system, also known as “Load-shedding Panel.”

**Level 1 Charger** – A level 1 charger is any charger capable of using a standard 120-volt outlet commonly found in homes.

**Level 2 Charger** – A level 2 charger is any charger capable of using 240-volts, this is the most effective and highest rated means of charging allowed for home use. The charging output can range from 12 all the way to 64-amps.

**Service/Main Service** – The main service or service of a building are the cables or conductors that come into your house from outside, and connect to your panel, these components including the meter-base comprise a service.



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EVSE Charging  
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## Frequently asked Questions

### 1. What does it cost to install an EVSE?

The average installation ranges from \$1500-\$2500 or about \$125-\$150 per meter of cable installed, many factors can impact the price of your installation, and most are unique. It is recommended to have your electrical contractor perform a site visit when receiving a quote.

### 2. What factors can impact the cost of installation?

The length of cable from your panel to the chargers mounting location, whether your basement is finished, the manufacturer and age of your panel, the availability of breaker space in your panel, and the availability of power for your home can all impact the price.

### 3. How do I know if I have enough power available?

Electrical contractors have tools available to them to help you calculate how much power your home consumes and what is available for you to use to charge your vehicle. You may need some information from your utility provider, be prepared to have this on hand.

## Book Us Today

### Mississauga Office

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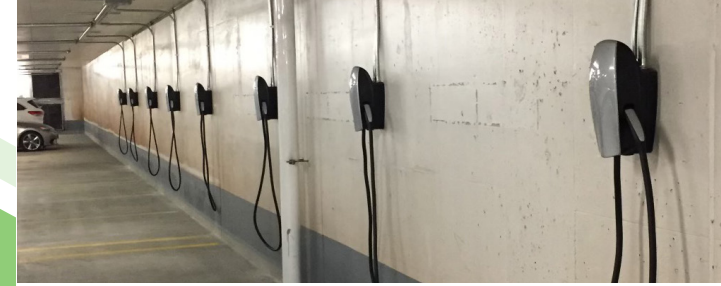
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### Important Points to Consider

- The size of conductor or cable will determine the output of the charger
- Other large household appliances or electrical loads like air conditioners and hot tubs will impact the charging capacity of your home
- Older homes tend to have older manufacturers, sometimes a panel change or sub-panel is required to make room for the EV charging circuit
- The distance from the panel to the location of where you would like the charger to be installed will have an impact on the price. The longer the run the more it will cost.
- For panels that have 100-amps, sometimes load calculations are required, if you have not lived in your home for a year or more, proving the amount of power you consume can be difficult and may result in a lower charging output.

