



SUMITOMO MITSUI AUTO LEASING & SERVICE (THAILAND) CO., LTD.



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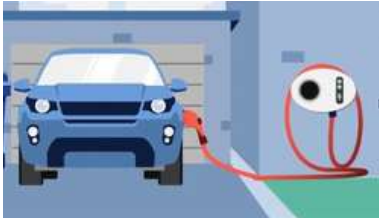
O-2252-9511



BEV CHARGER

Type of BEV charger

AC Charger



Alternate current (AC) or Normal Charge
Charge from a wall charger to the On-board charger and convert the electrical system to direct current. (Charging 4-16 Hrs.)

Advantages

- The charger is not expensive.
- Suitable for home use and residence.
- Can charge overnight without worrying about battery degradation.

Constraints

- It takes a relatively long time to charge.
- Not suitable for charging during rush hours or in a hurry.



DC Charger



Direct current (DC) or Quick/Fast Charge
Charges to the car battery directly, without passing through the On-board charger (Charging 30 Min. - 2 Hrs.)

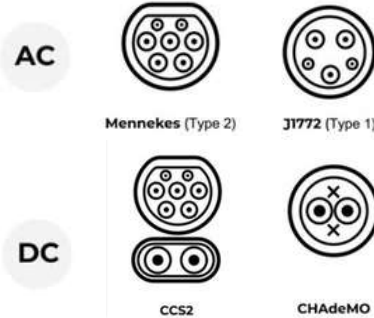
Advantages

- It is a high-power charging method that enables rapid charging.
- Suitable for charging during busy times, such as making a quick stop to charge the car.

Constraints

- The charger is relatively expensive.
- Mostly, The chargers are public stations, User cannot leave the car charging overnight.

Charger socket in Thailand



Examples of cars that use each type of charger



BEV charging station

Data as of 30 September 2023

Charging Points	Maximum Power	Price per kW	Payment Method
 555 Stations DC: 1,048 Chargers AC: 652 Charger	150 kW	6.5-8.7 THB	Pay with debit/credit card through the main application after use.
 538 Stations DC: 1,515 Chargers AC: 1,824 Chargers	160 kW	5.5-7.5 THB	<ul style="list-style-type: none"> • Pay with debit/credit card through the main application after use. • Top up money into an application
 217 Stations DC: 694 Chargers AC: 164 Chargers	360 kW	5.0-6.9 THB	Top up money into an application

The process of installing the charger at home

- Contact the car dealer**, which will have an installation team, **or contact an electric charger distributor** to schedule a visit to inspect the installation site.
**If you lease the BEV car from SMAT you can contact the sales representative directly.
- Verify the readiness of the location**, including the electrical capacity of the electricity meter, space within the electrical control panel, circuit breaker, electrical wiring, grounding system, and the position for both the charger and the vehicle.
- Contact the MEA or the PEA** to submit documents and schedule an appointment for the inspection of electrical system standards and the installation of an electricity meter.
Electricity meter cost
MEA 700-2,500 THB
PEA 700-1,500 THB
- A technician will inspect the installation site** for the charger. If the location is ready, an appointment can be scheduled for installing the charger, and they **will come to carry out the installation.**

Source : en.wikipedia.org/wiki/North_American_Charging_Standard, 724.co.th/, www.autospinn.com/, www.nissan.co.th/, www.apthai.com, <https://evolt.co.th/>