

GUIDE ON ELECTRIC VEHICLE CHARGING SYSTEM (EVCS) IN MALAYSIA

NATIONAL COMPLIANCE



EV Charger Connector and Vehicle Inlet as per Guide on Electric Vehicle Charging System (EVCS)

CONNECTOR TYPE	SUPPLY	CONNECTOR
TYPE 2	AC	
COMBO CCS TYPE 2	DC	
CHAdeMO	DC	

EV CHARGER MODE IN MALAYSIA

PROHIBITED

Mode 1

Direct Connection of the vehicle to the charger

- ▶ Non-dedicated power socket (domestic socket)
- ▶ Simple cable
- ▶ Risk of overheating

Mode 2

Direct Connection of the vehicle to the charger

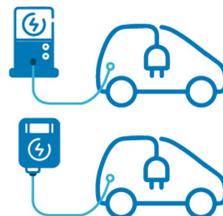
- ▶ Non-dedicated power socket (domestic socket)
- ▶ Cable with communicating charge control and protective device



Mode 3

Direct Connection of the vehicle to the charger

- ▶ Dedicated power socket incorporating charge monitoring
- ▶ Dedicated cable



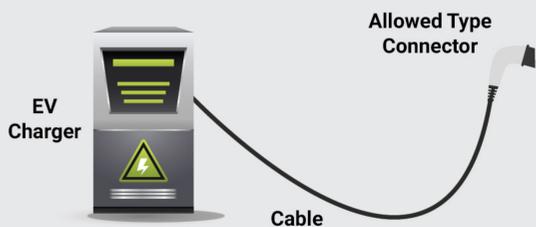
Mode 4

Indirect connection of the vehicle to the grid via an external charger

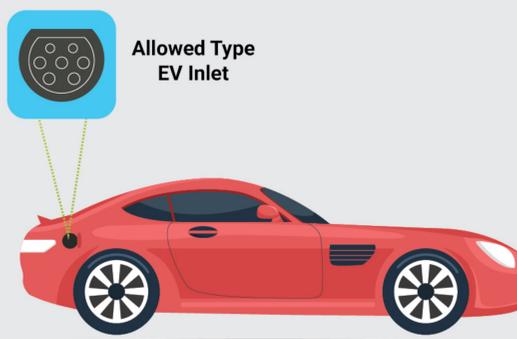
- ▶ Direct-current external charger incorporating charge monitoring
- ▶ Dedicated cable



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Other Agency



EVCS LICENSE IN MALAYSIA

- ➔ License required for non-domestic application
- ➔ Compliance to legislation : Section 9 Electricity Supply Act 1990 (Act 447)
- ➔ Who should apply? - EVCS operator / CPO (Charge Point Operator)
- ➔ Why you should apply? - For Safety, Data Aggregation & Distribution Planning
- ➔ Charge point operator (CPO) needs to apply for a license before operation

- Application via online system
- Processing fee RM 100.00 / application
- License fee RM0.44/kW (Minimum fee RM100.00)
- Minimum fee RM 100.00
- License tenure up to 10 years

