

# CHAPTER 1 - ACCESS AND MOBILITY

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## 301.03 CHARGING EQUIPMENT FOR ELECTRICAL VEHICLES



### INTENT

To promote green transportation by providing electric vehicle charging infrastructure.

### REQUIREMENT

For Golden and Platinum Sa'fa and for all new buildings other than villas, where preferred parking spaces were provided according to *Regulation 301.02*, necessary charging equipment for electrical vehicles must be provided for 30% of the total preferred parking spaces.

### SIGNIFICANCE

Electric Vehicles (EV) play a key role in transiting from fossil-fuelled vehicles to a sustainable mode of transportation. Use of electric vehicles would reduce the harmful air pollution from exhaust emissions of fossil fuel driven vehicles.

International Energy Agency forecasts the electric car users to grow from 3 million to 125 million around the world by 2030.

Dubai government has taken several initiatives to encourage use of electrical vehicles in Dubai and this regulation supports the initiative. While preferred parking is provided for electrical vehicles (under *Regulation 301.02*), further this regulation makes sure charging equipment are provided within the preferred parking spaces. An easy access to charging stations (fig. 301.03(1)) and preferred parking spaces would encourage the use of electric vehicles.

The Dubai Supreme Council of Energy (DSCE) has launched a campaign entitled "E-Sayyara," meaning E-Car in Arabic, to increase the number of E-Vehicles driven by the private sector and residents in Dubai. E-Sayyara initiative comes in line with the Dubai Green Mobility Strategy 2030, UAE Vision 2021 and Dubai Plan 2021 which supports the efforts of Dubai Emirate to accelerate the penetration of hybrid and electric vehicles.



Fig 301.03(1): Electric Vehicle Charging Station