

# The US EV Charging Station Market: Size, Trends & Forecasts (2018-2022)

January 2018



# The US EV Charging Station Market : Coverage

Executive Summary and Scope

Introduction/Market Overview

Market Analysis

Dynamics

Competitive Landscape

Company Profiling

# The US EV Charging Station Market : Coverage

## Scope of the Report

Attributes	Details
Title	The US EV Charging Station Market: Size, Trends & Forecasts (2018-2022)
Coverage	The US
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2018-2022
Competition in the Market	Dominated
Key Players	Tesla Inc., CHAdeMO Association, ChargePoint Inc. and SemaConnect Inc.

# The US EV Charging Station Market

## Executive Summary

Electric vehicle (EV) is one of the newest technology in transportation industry which uses one or more electric motors for momentum, that are easily rechargeable. There are various types of electric vehicles which are available such as, airborne electric vehicles, seaborne electric vehicle, electrically powered spacecraft and most importantly ground vehicles which are sub-segmented into four categories namely, plug-in electric vehicle, hybrid electric vehicles, on- and off- road electric vehicles and, railborne electric vehicles.

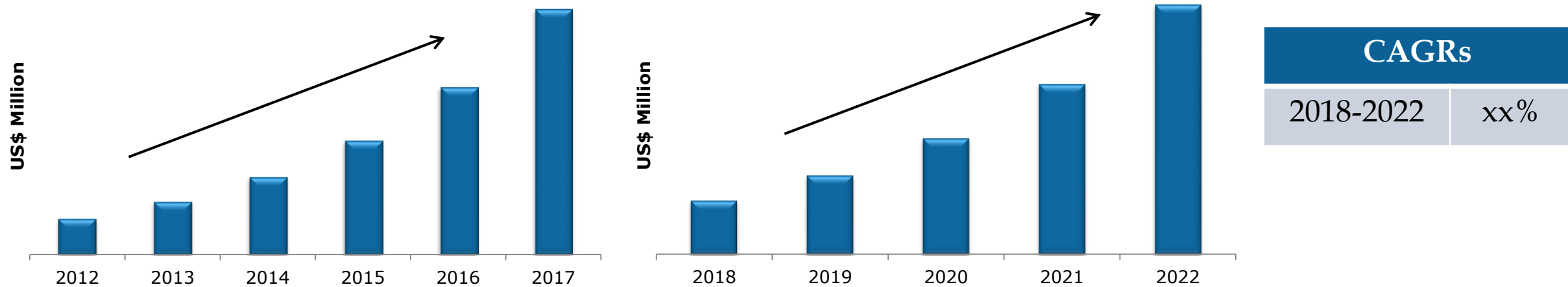
In order to run such vehicles, proper facilities are required where continuous supply of electricity is available. These facilities are known as electric vehicle (EV) charging station. There are four major framework of EV charging stations: residential charging station, charging while parked (including public charging stations), fast charging at public charging stations and battery swaps or charges in under 15 minutes.

EV charging is done in three levels: Level 1, Level 2 and Level 3. These three standard levels are referred in Society of Automotive Engineers (SAE) terminology. Here, Level 1 utilizes an ordinary grounded 120V AC wall outlet whereas Level 2 uses 240 volt AC charging. Level 3 charger uses direct current rather than AC. EV charging stations comes with different connection cases and plug types. Connection cases are of three types, while there are four plug types (single-phase vehicle coupler, single- and three-phase vehicle coupler, single- and three-phase vehicle coupler equipped with safety shutters and fast charge coupler).

The US EV charging station market is expected to increase at high growth rates during the forecasted period (2018-2022). The US EV charging station market is supported by various growth drivers, such as growing petroleum price, increasing government support, increasing number of electric vehicles, etc. yet, the market faces certain challenges, such as, stringent approval rules for establishment, lack of awareness, etc. few new market trends are also provided such as, nickel ion battery as new alternative, etc.

# The US EV Charging Station Market : An Analysis

## The US EV Charging Station Market by Value



The US EV charging station market value was US\$.... million in 2017. The US EV charging station market is anticipated to rise up to US\$.... million by 2022 as compared to US\$....million in 2018, representing a CAGR of ....% over the years 2018 to 2022.

# The US EV Charging Station Market : An Analysis

**The US EV Charging Station Market by Type; 2017**



**The US EV Charging Station Market by Location; 2017**

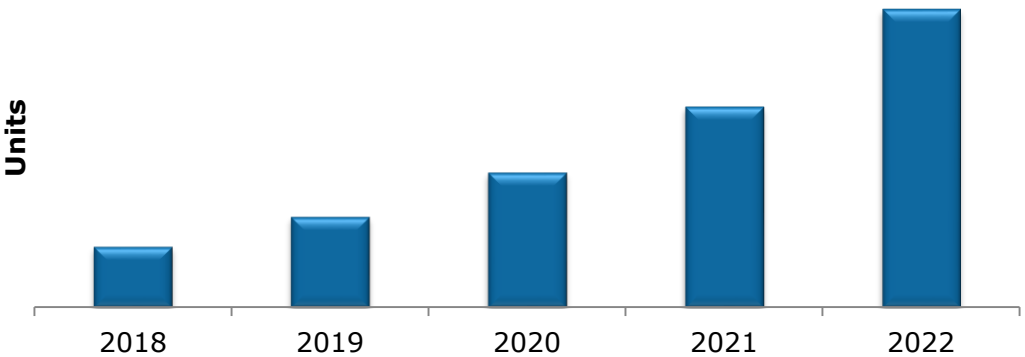


**The US EV Charging Station Market by Segments; 2017**

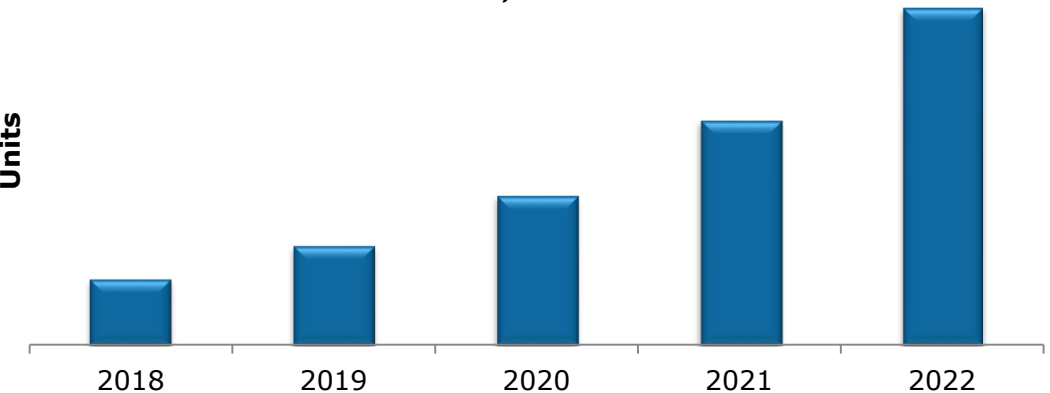


# The US EV Charging Station Market : An Analysis

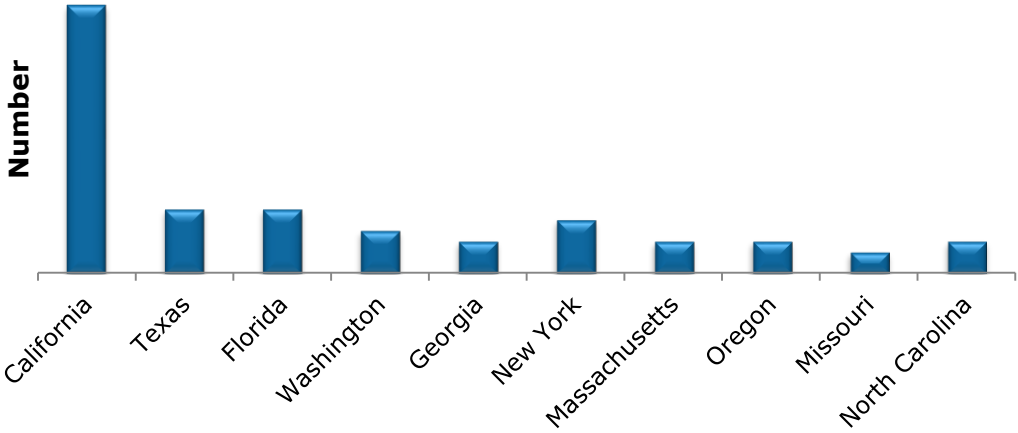
The US EV Charging Market by Number of Outlets;  
2018-2022



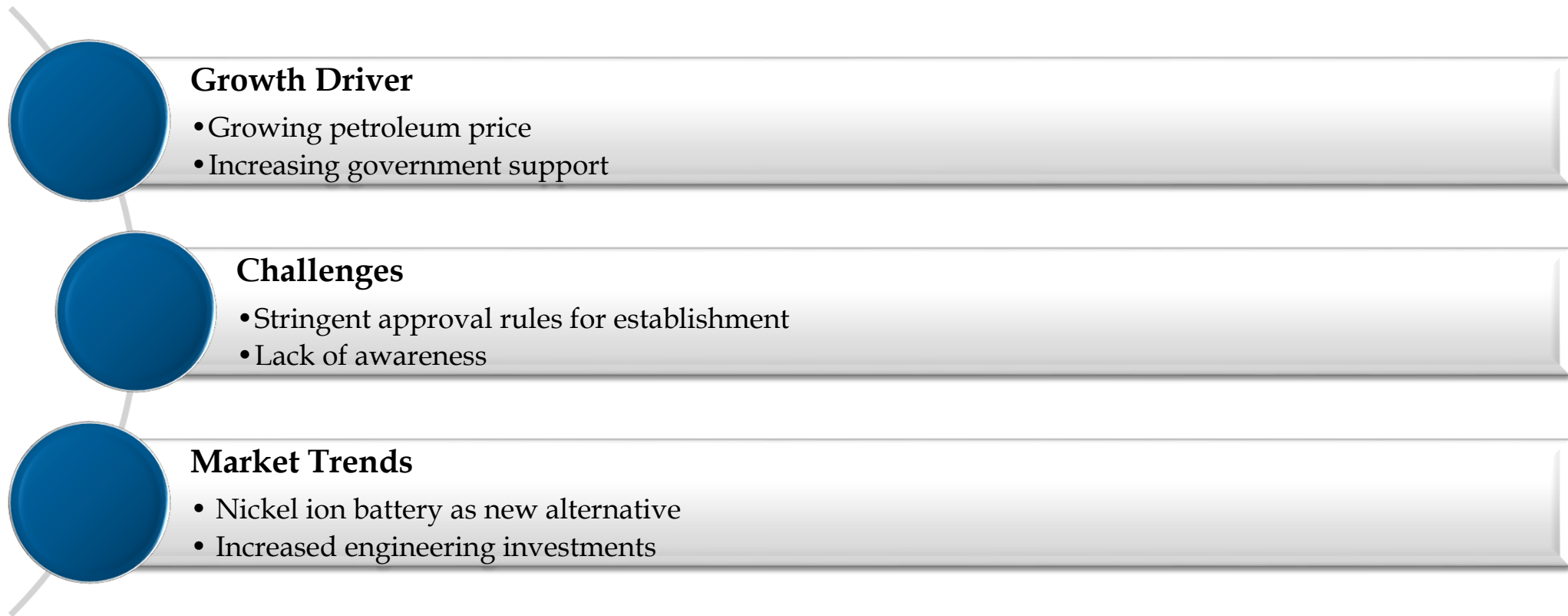
California EV Charging Market by Number of  
Outlets; 2018-2022



Leading States in the US EV Charging Stations



# The US EV Charging Station Market : Dynamics

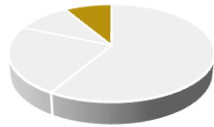




# The US EV Charging Station Market : Competitive Landscape

## Players Profiled

- Tesla Inc.
- Chargepoint Inc.
- SemaConnect Inc.
- CHAdeMO Association



Note: The graphs on this slide are only for sample representation.