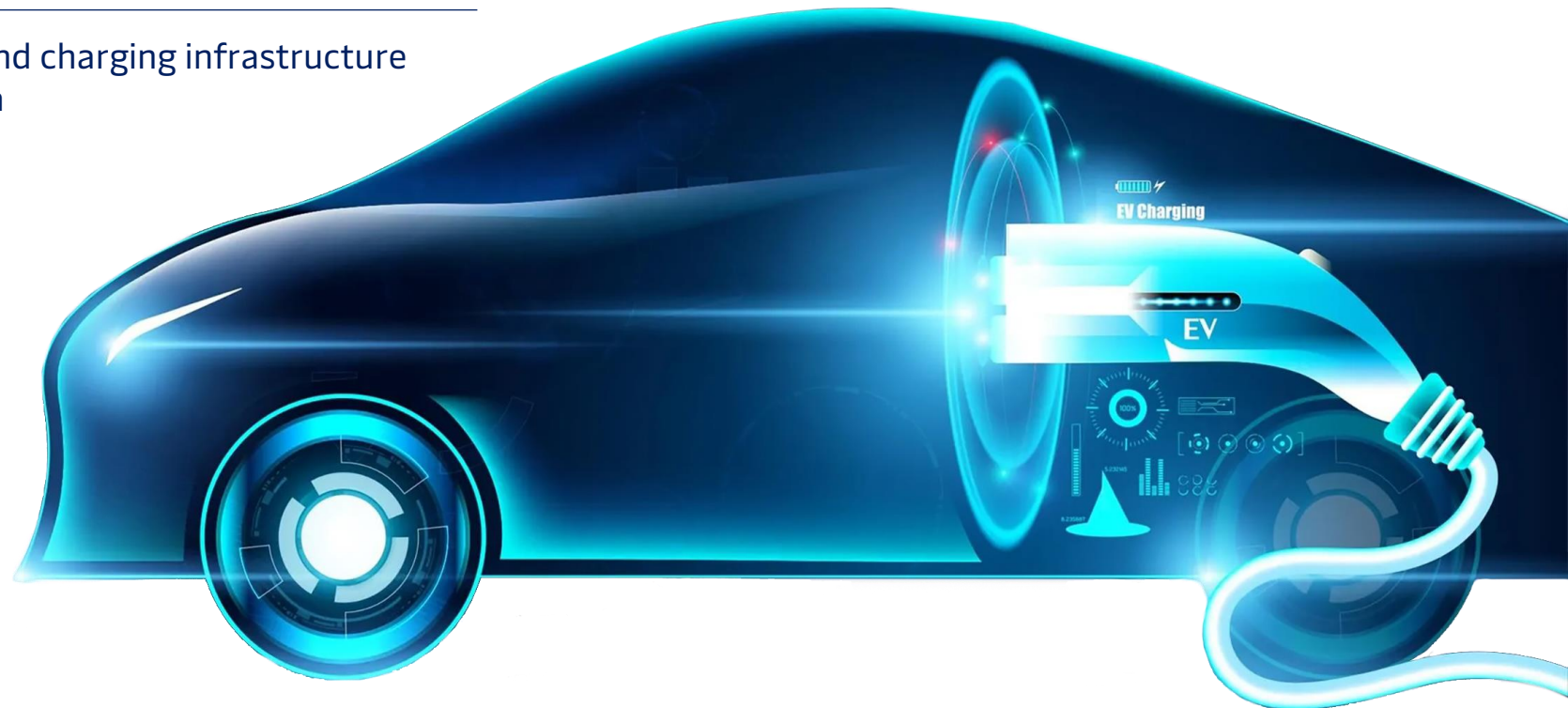


MARKET FACT

# EV & CHARGING INFRA LANDSCAPE IN INDIA

Key highlights about the electric vehicles and charging infrastructure landscape in India

Swipe left to find out more

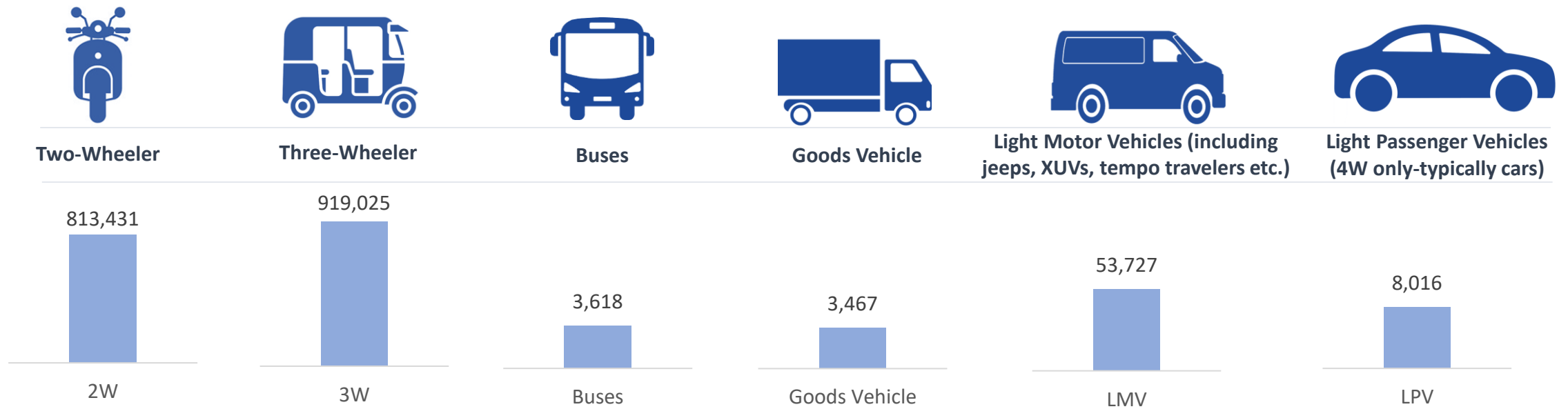


MARKET FACT

# Operational Electric Vehicles

As of December 2022, India has a total of **1.8 Million (1,802,967)** operational electric vehicles. Uttar Pradesh is leading state in the country to have maximum EVs on road. The state boasts a total of **0.41 Million (414,978)** of EVs as of December 2022. Below exhibit indicates the categories wise breakup of electric vehicles operational in India.

Category wise split of total number of electric vehicles in India as of December 2022



**Note:** In addition to the above

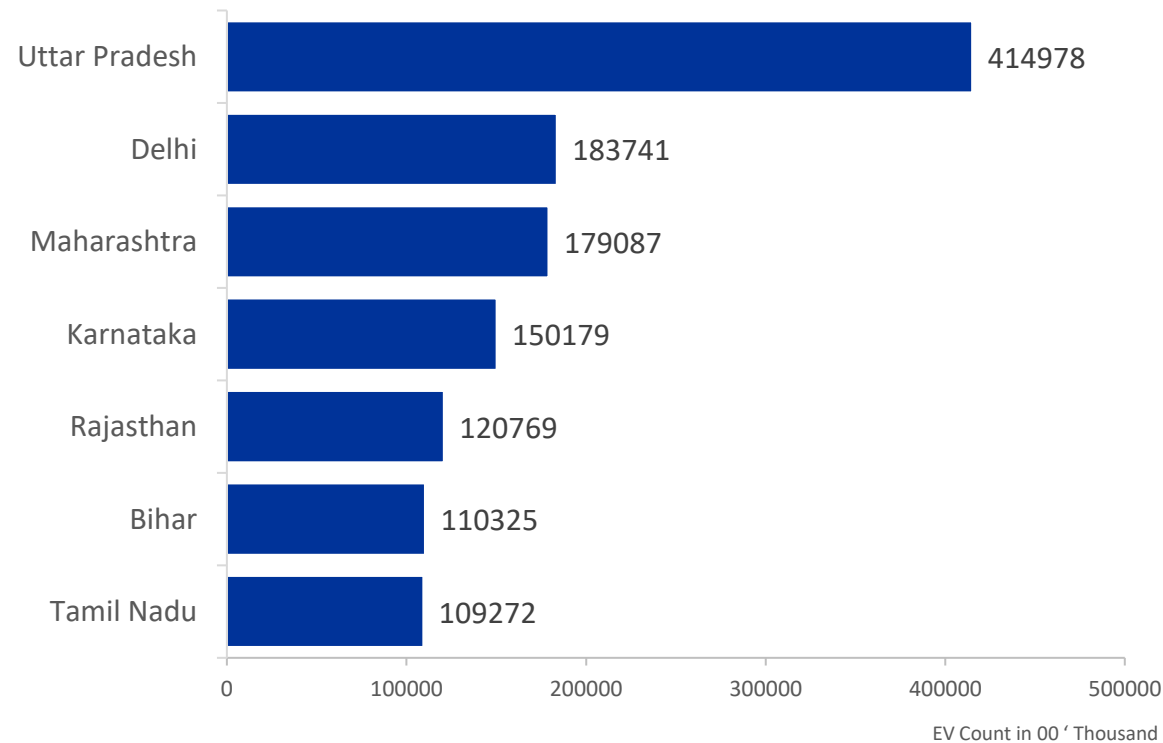
- 1661 number of EVs fall in other vehicle category
- 16 number of EVs fall in four-wheeler invalid carriage (4WIC) category
- 06 number of EVs fall in medium motor vehicle (MMV) category

MARKET FACT

## Top States – Operational EVs

Top three states in India to have maximum number of EVs are Uttar Pradesh, Delhi & Maharashtra. As of December 2022 – the total operational EVs in Uttar Pradesh were **0.41 Million (414,978)**, in Delhi it was **0.18 Million (183,741)** & in Maharashtra it was **0.17 Million (179,087)**. Below exhibit indicates top states of India to have EV population above 0.1 Million

**Top states in India to have operational electric vehicles count above 0.1 Million as of December 2022**



Source: EI MRAC Reports, MoRTH, Channel Checks

MARKET FACT

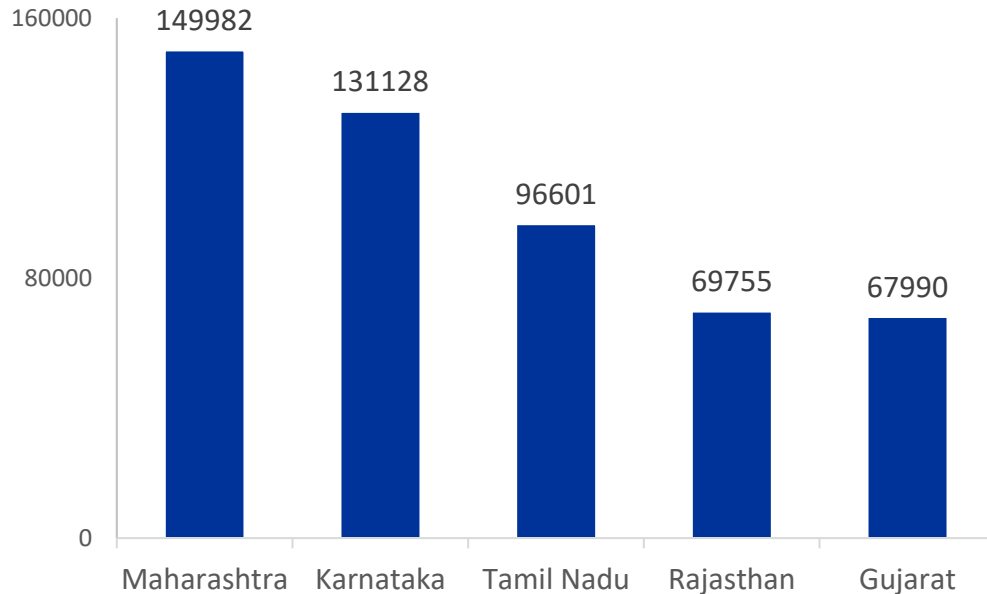
# Top States – Operational e2W & 3W

Maharashtra has maximum number of operational electric two wheelers (e-2W) in India, with total count **0.14 Million (149,982)**. Karnataka is the second largest state in India w.r.t to electric two-wheeler population and has approx. **0.13 Million (131,128)** of e 2W as of December 2022. Uttar Pradesh boasts the largest count of electric three wheelers (e-3W) of **0.37 Million (375,595)** followed by Delhi with total e-3Ws count to be **0.13 Million (130,429)**.

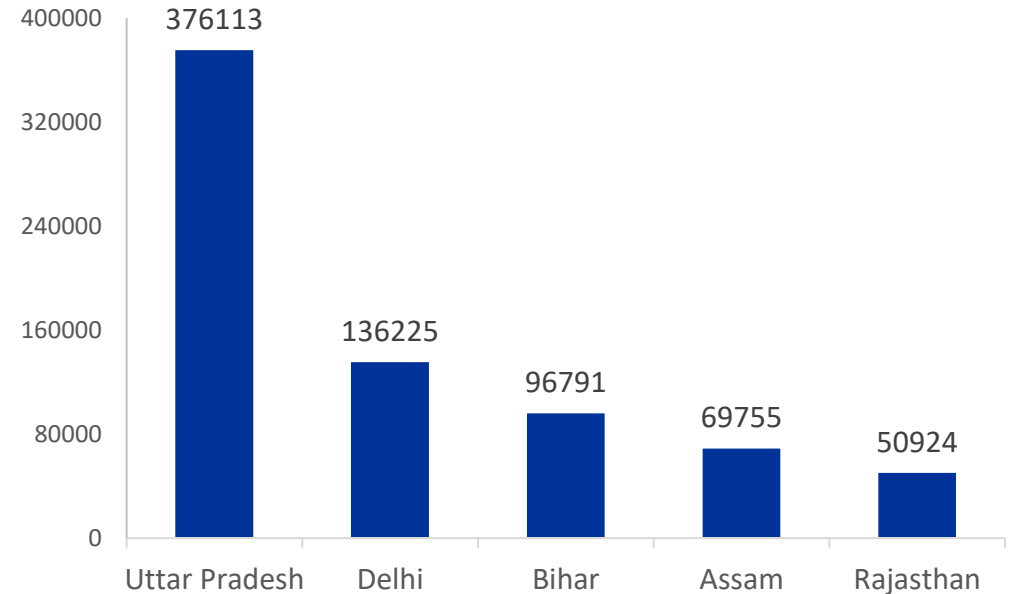
Top five states in India to have operational e 2W & 3W as of December 2022



E 2W Count in 00 ' Thousand



E 3W Count in 00 ' Thousand



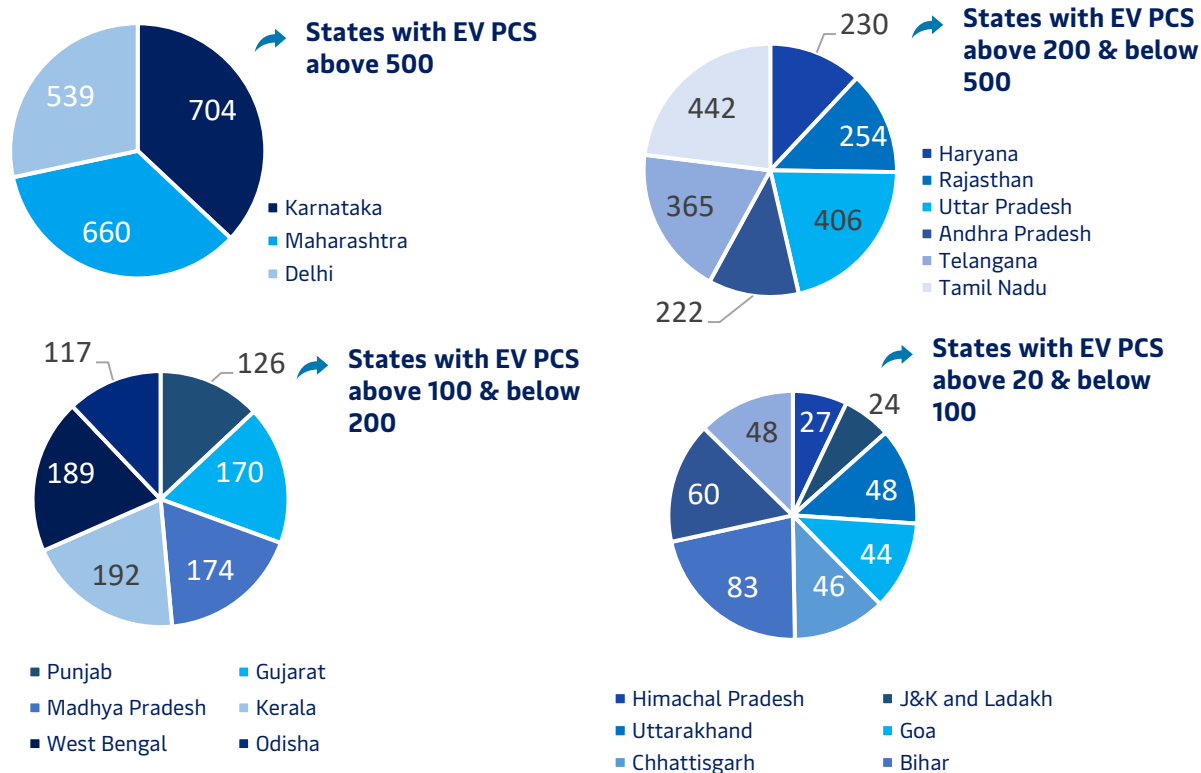
Source: EI MRAC Reports, MoRTH, Channel Checks

MARKET FACT

# Operational Public EV Charging Stations

As of December, 2022 India has a total of **5255** EV public charging stations (PCS). Top three contributing states are – Karnataka with **704**, Maharashtra with **660** & Delhi with **539** EV PCS. Exhibit 04 indicates state wise operational EV public charging stations in India.

## Operational Public EV Charging Stations in India (Numbers)



**Note:**

(i) Remaining states & UTs have EV PCS count below 20

## Top 10 states with maximum EV PCS



**5255**  
Total number of  
operational EV PCS in  
India

\*As of December 2022

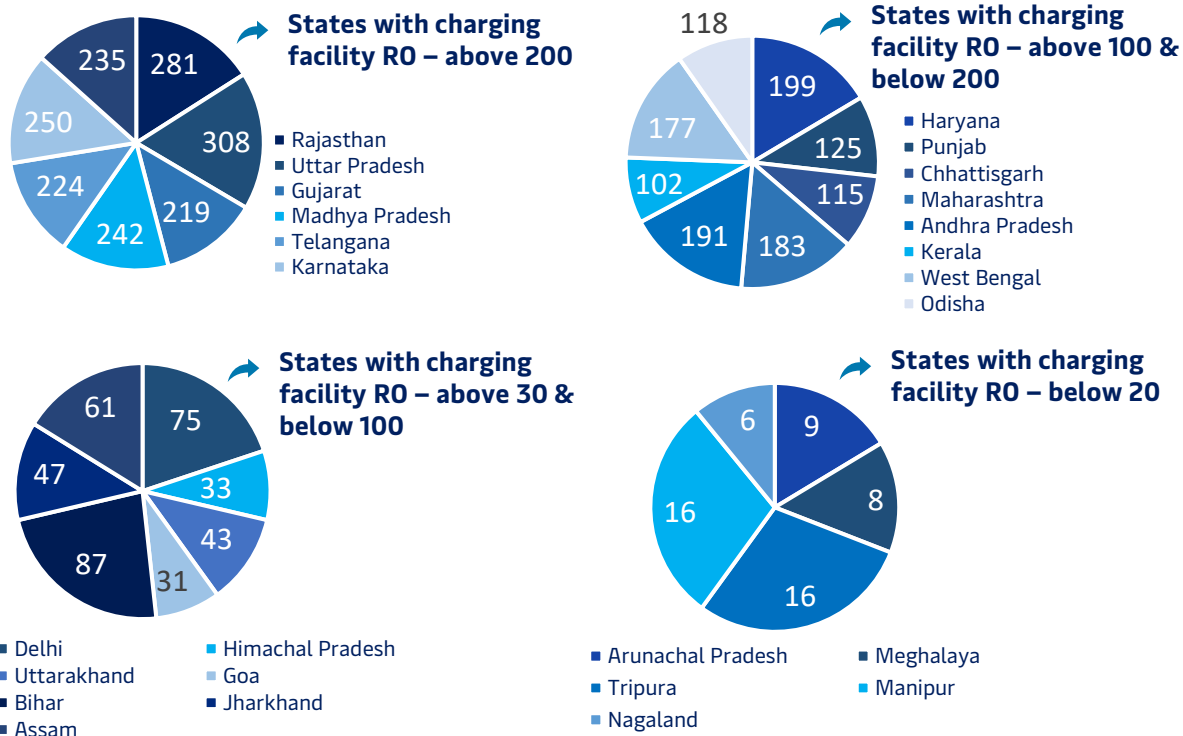
Top States with Maximum EV PCS	
States	Number of EV PCS
Karnataka	704
Maharashtra	660
Delhi	539
Tamil Nadu	442
Uttar Pradesh	406
Telangana	365
Rajasthan	254
Haryana	230
Andhra Pradesh	222
Kerala	192

MARKET FACT

# OMC Retail Outlets with EV Charging Facilities

As of December 2022, about **3448** oil & gas retail outlets (RO) have EV charging facilities, as per the information shared by oil marketing companies (OMC) in India. Uttar Pradesh has **308 retail outlets** by OMCs where EV charging facility is available. Rajasthan has **281** retail outlets, while Karnataka has **251** retail outlets by OMCs where EV charging facility is available. Below Exhibit indicates state wise number of OMC retail outlets that have EV charging facilities.

## OMC retail outlet with EV charging facilities (Numbers)



**Note:**

- (i) Chandigarh, Daman & Diu, Puducherry, Andaman & Lakshadweep have ROs with charging facility below 20 in count

## Top 10 states with maximum RO with charging facilities



**3448** Total number of OMC retail outlets with EV charging facilities  
\*As of December 2022

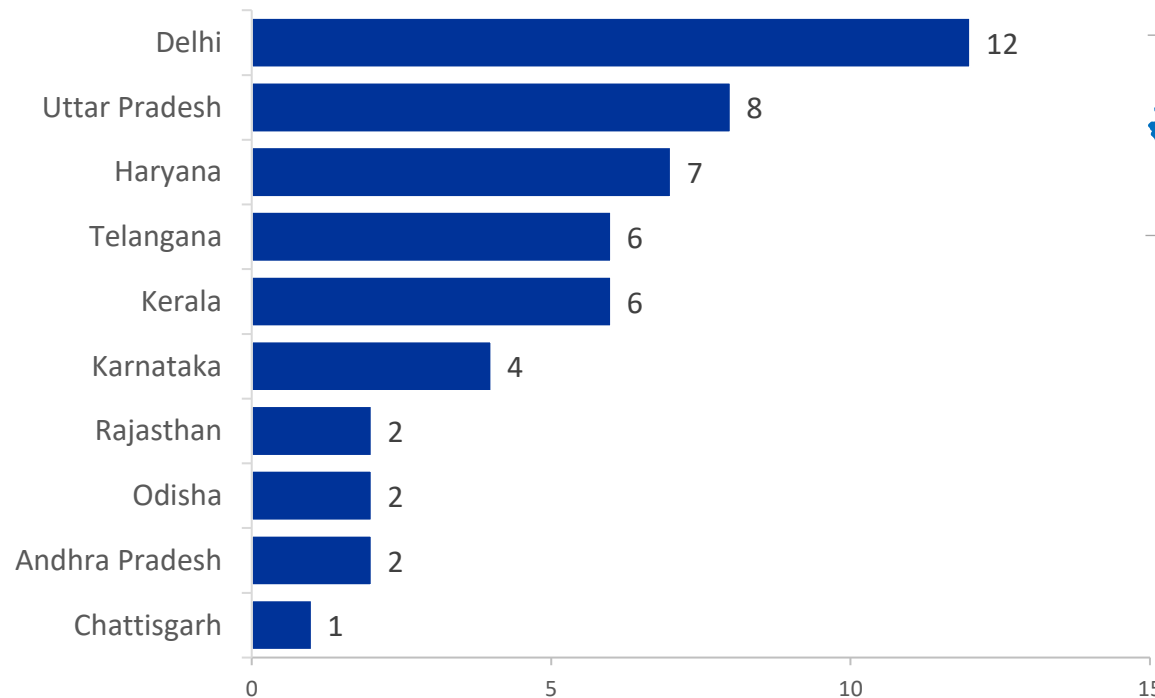
Top 10 States - OMC retail outlets with EV charging facility	
States	Number of OMC retail outlet
Uttar Pradesh	308
Rajasthan	281
Karnataka	250
Madhya Pradesh	242
Tamil Nadu	235
Telangana	224
Gujarat	219
Haryana	199
Andhra Pradesh	191
Maharashtra	183

MARKET FACT

# Battery Swapping Stations at OMC Retail Outlets

As of December 2022, India has a total of **54** battery swapping stations installed by oil marketing companies (OMCs) at their retail outlets. State wise split of these can be seen in below Exhibit.

**Number of battery swapping stations operationalized by OMCs in Indian states as of December 2022**



**54**  
Total number of OMC  
retail outlets with  
battery swapping  
facilities

\*As of December 2022

**Note:**

- (i) Chandigarh has 04 OMC retail outlets where battery swapping facility is available

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