Slide 1

Electric Vehicle Sales Analysis

A comprehensive Power BI dashboard analysis of EV adoption across India, exploring national trends, state-level insights, and policy implications.

Slide 2

Three Strategic Views

National EV Overview

High-level KPIs, yearly trends, vehicle categories, and geographical distribution across India.

State Deep Dive

Individual state analysis with vehicle class breakdowns and type-wise comparisons.

Segment & Policy View

State rankings, segment filters, and multi-year matrices for policy decision-making.

Slide 3

National EV Overview Dashboard

Key Performance Indicators

Total EV sales demonstrate sharp growth trajectory from 2020 onward, with significant acceleration in adoption rates.

2-Wheelers and 3-Wheelers dominate market share

Strong adoption in Uttar Pradesh, Maharashtra, and Karnataka

Geographic concentration in northern and western regions

Slide 4

Market Dominance by Vehicle Type

1st

2-Wheelers

Leading category driving EV adoption across India

2nd

3-Wheelers

Strong commercial segment performance

2020

Growth Year

Sharp acceleration in sales begins

Slide 5

State Deep Dive Analysis

1

Vehicle Class Comparison

Detailed breakdown of sales performance across different vehicle classifications within each state.

2

Type-Wise Charts

Visual representation of market structure showing category contributions through interactive pie charts.

3

State Selection Matrix

Geographic segmentation tool enabling focused analysis of individual state performance and trends.

Slide 6

Leading States in EV Adoption

1

Maharashtra

Strong EV penetration with robust infrastructure and policy support driving market growth.

2

Gujarat

Exhibits significant EV adoption rates with favorable commercial vehicle segment performance.

3

Karnataka

Technology hub showing rapid EV integration across multiple vehicle categories.

Slide 7

Segment & Policy Dashboard

State Rankings

Uttar Pradesh leads total EV sales, followed by Maharashtra and Karnataka in comprehensive state-wise analysis.

Multi-year matrix reveals very rapid EV sales growth trajectory beginning in 2019.

Segment Filters

2-Wheeler (2W) adoption patterns

3-Wheeler (3W) commercial trends

4-Wheeler (4W) passenger vehicles

Bus and other categories

Slide 8

Growth Trajectory: 2019 Onward

2019 Baseline

Initial EV market establishment with early adopters and pilot programs.

2020 Acceleration

Sharp growth begins as infrastructure expands and awareness increases.

2021-2023 Expansion

Rapid adoption across multiple segments with policy support driving momentum.

Slide 9

Policy & Infrastructure Insights

Policy Decision-Making

Segment filters enable evaluation of EV adoption patterns crucial for developing targeted policy interventions.

Infrastructure Planning

Geographic and segment data guides strategic placement of charging networks and support facilities.

Market Strategy

Comparative state analysis informs market entry strategies and resource allocation decisions.

Slide 10

Conclusion: Data-Driven EV Future

These interactive BI dashboards provide granular insights for decision-makers, enabling exploration of trends over time, state-wise comparisons, and segment-level behaviors.

Infrastructure Development

Market Strategies

Policy Evolution