



EVCify

Electric Vehicle Charging Solutions

EV Charging Network

Assessment of December 2025 in Türkiye (*The 17th edition*)

Prepared by Ferhat Bal

To a sustainable green world 

Switch
To
Electric
Vehicle

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 <https://evcify.com>

 Teknopark Ankara/Türkiye

Overview



The electric vehicle (EV) charging infrastructure in Türkiye is **expanding rapidly** to accommodate the growing adoption of EVs.

This report comprehensively analyzes **key metrics** related to EV charging stations, the number of sockets, power capacity, sectoral distribution, the number of sold EVs, and growth trends over the past year. **In addition**, it provides detailed insights into the monthly electricity consumption data of charging operators and the overall electricity consumption trends by month, offering a holistic view of how energy demand in the EV charging sector is evolving.

The data presented aims to **benchmark** the state of the EV charging network, compare key milestones, and project future **growth**.

For more information, you can visit our "Data Sharing Platform"

 <https://data-sharing-web-app.evciify.com>





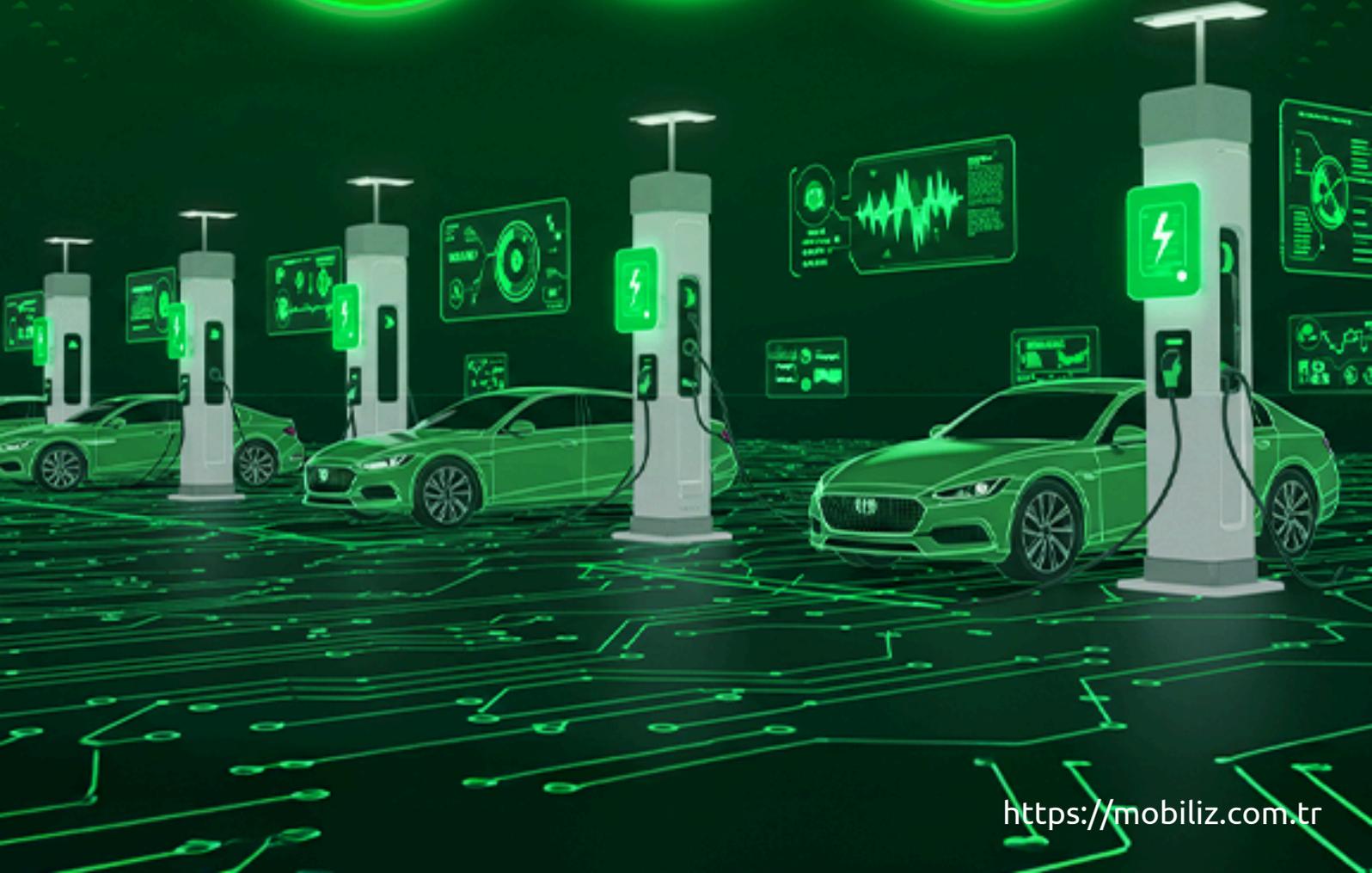
SÜRPRİZ MASRAFLARA SON!

Elektrikli araç filonuzun her detayı
Fleethings ile kontrol altında.

Filo
Genel
Durumu

Araç
Bakım
Hatırlatmaları

Vergi, Ceza
ve Kaza
Bildirimleri



Significant developments

IEA, Global EV Outlook 2025



Global Overview (2024–2025)

Indicator	2024 Results	2025 Expectations
Global EV Sales	17 million (market share: 20%+)	Over 20 million (market share: ~25%)
EV Share in China	~50%	~60%
EV Share in Europe	~20% (stagnant)	~25% (driven by CO ₂ targets)
EV Share in the U.S.	10%+	11% (uncertainty remains)

Key Global Trends

Area	Summary
Market Expansion	Led by China, Southeast Asia, and Latin America
Battery Prices	Down 30% in China; 10–15% in EU/US
Charging Infrastructure	Public chargers doubled in the last two years
Heavy-Duty EVs	EV truck sales up 80%; China accounted for 80%+ of total
Affordability	Most Chinese EVs priced below ICE equivalents
Trade	China produced 70% of global EVs and exported 40% of them



Executive Summary



- **Demand Surge:** The November 2025 report shows sustained strong demand for EV charging, with **52.3 million kWh** of electricity consumed in a single month, slightly **higher** than **October's** record, yet remaining among the highest levels recorded to date.
- **Infrastructure Growth:**
 - By 31st December 2025, the total number of sockets reached **38,863**:
 - **22,128** AC sockets
 - **16,735** DC sockets
 - During December alone, **1,791 new sockets** were added.
 - Boğaziçi Elektrik Dağıtım A.Ş. leads with the **highest** number of installed sockets (**7,204**).
 - BAŞKENT Elektrik Dağıtım A.Ş. holds the **largest** installed power capacity (**377.354 kW**).
- **Consumption Split (November 2025):**
 - **DC charging accounted for 82,88%** of total electricity consumption.
 - **AC charging accounted for 17,12%.**

Demonstrating the dominance of fast and ultra-fast charging in shaping the market.



Executive Summary



- **Efficiency by Technology:**

- Slow Socket ($\leq 22\text{kW}$): **15 EVs per socket, 1.22 kW/EV**
- Fast Socket ($> 22\text{kW}, \leq 150\text{kW}$): **37 EVs per socket, 2.55 kW/EV**
- Ultra-Fast Socket ($> 150\text{kW}$): **46 EVs per socket, 4.55 kW/EV**

→ Underlining the strategic importance of **high-power infrastructure**.

- **Market Penetration (TÜİK):**

- EV sales in November 2025: **16,931 units**
- Cumulative Jan–Nov 2025 sales: **164,665 units**
- Total EV stock in Turkey: **348,908 vehicles**

- **Market Penetration (ODMD):**

- EV sales in November 2025: **17,892 units**
- Cumulative Jan–Nov 2025 sales: **164,665 units**
- Total EV stock in Turkey: **350,120 vehicles**

- **Operator Concentration:**

- In November 2025, **the Top 10 CPOs consumed 36,437 MWh**, representing **72,4%** of total demand.

→ The market is **highly concentrated among leading operators**, signaling ongoing consolidation.

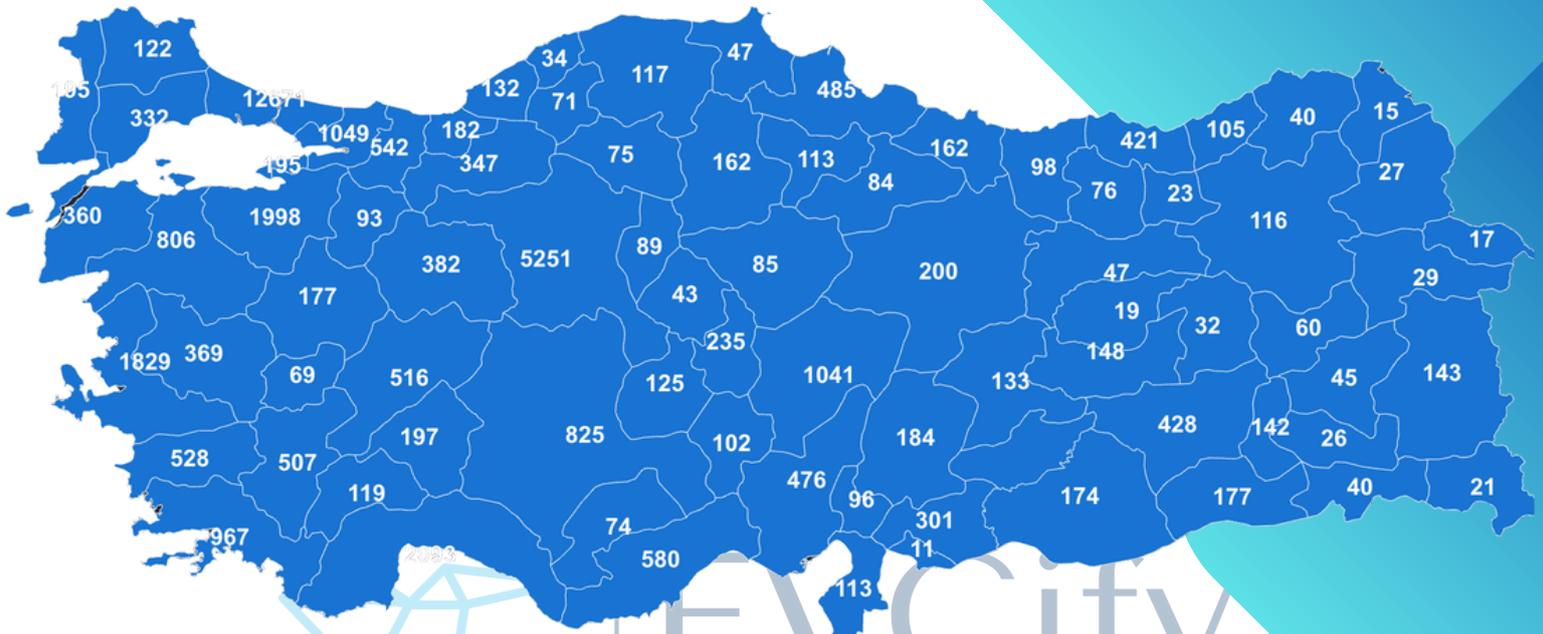
- **Regional Concentration:**

- In November 2025, the **Top 10 provinces** consumed **35,234 MWh**, covering **70,07%** of total demand.

EV charging demand is still **heavily concentrated in metropolitan areas**, highlighting growth potential in secondary regions.

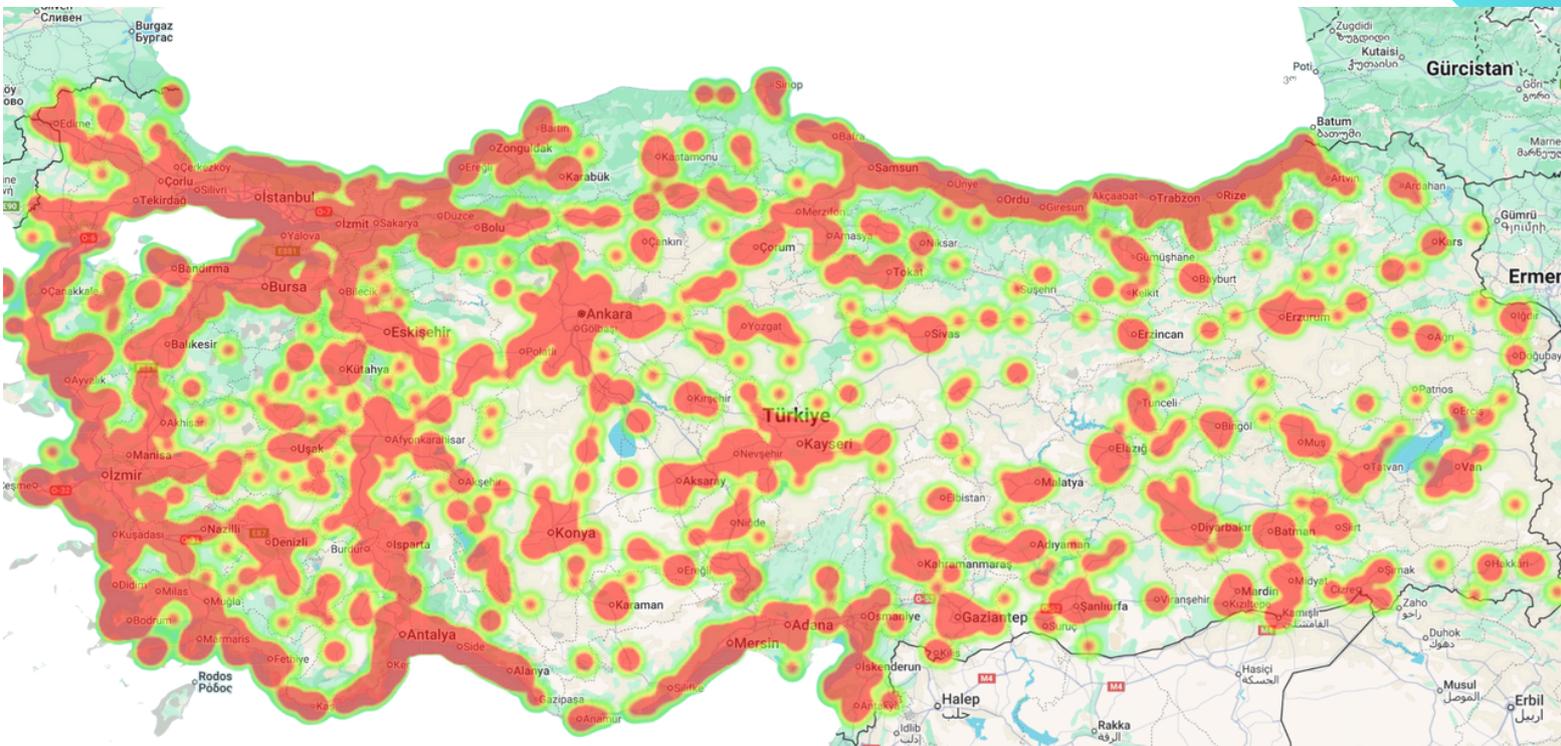


Map & HeatMap



Number of Total AC/DC Sockets

Electric Vehicle Charging Solutions



Heatmap



<https://evcity.com>



Number of Sockets in Türkiye



2.905

Total Socket Power (GW)

38.863

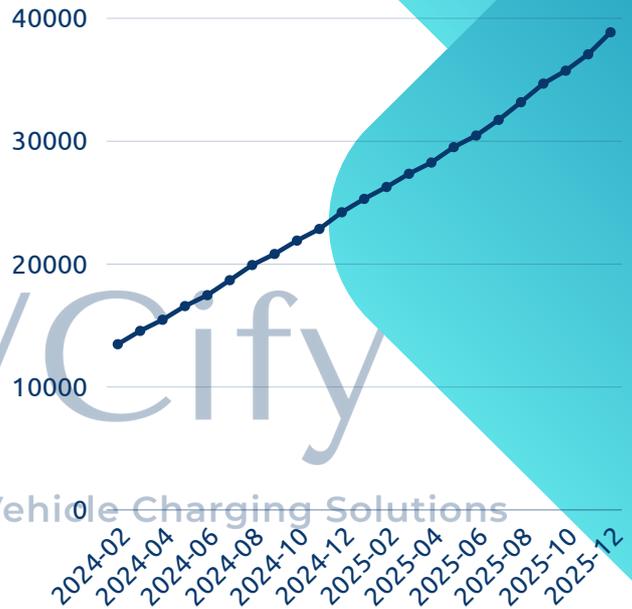
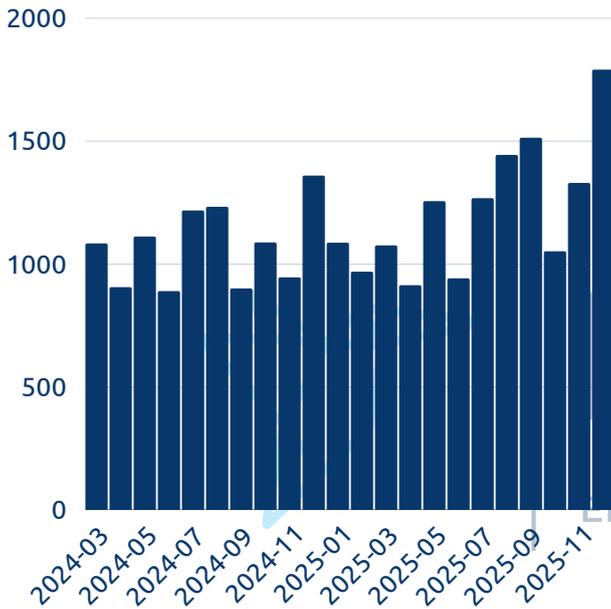
Total Number of Sockets

22.128

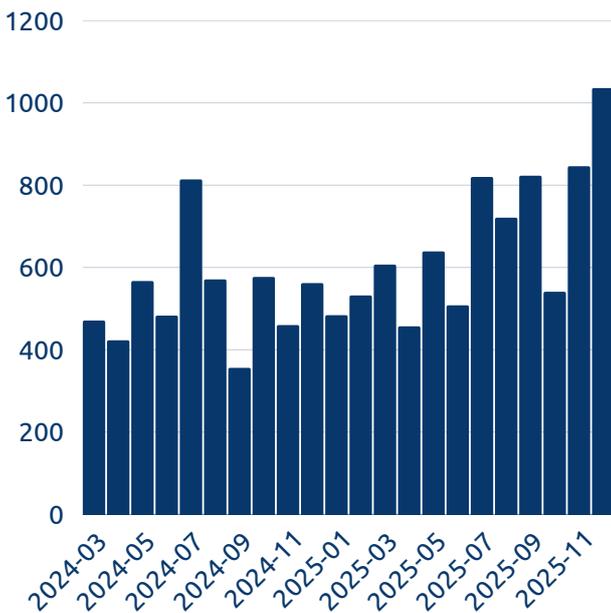
Total Number of AC Sockets

16.735

Total Number of DC Sockets

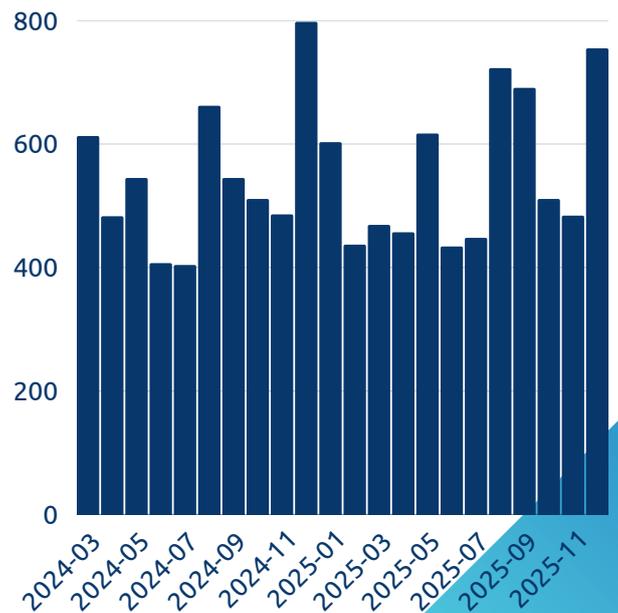


Number of Total Sockets



Number of AC Sockets

Cumulative Number of Total Sockets



Number of DC Sockets

Source:

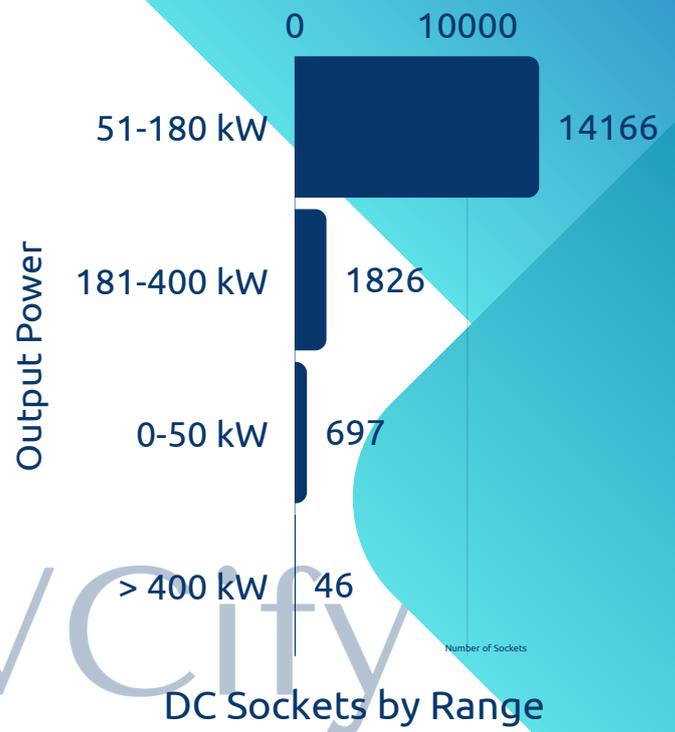
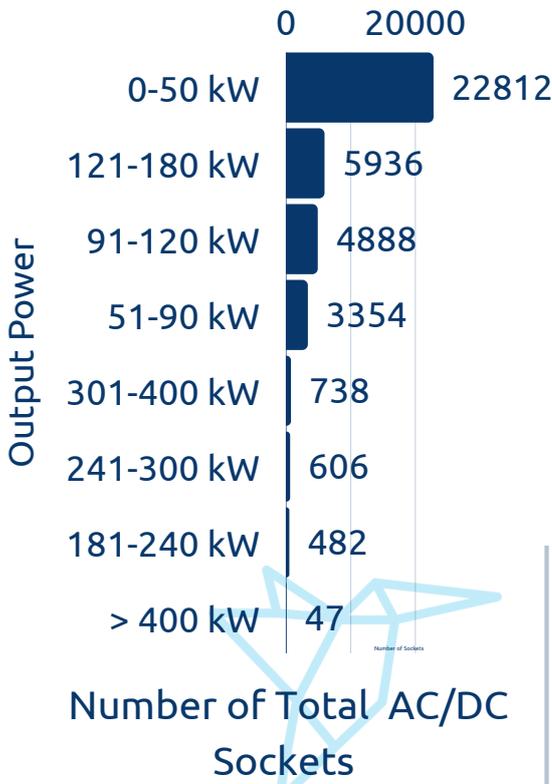
1. EMRA, Energy Market Regulatory Authority



<https://evcity.com>



Range of Sockets by Power in Türkiye



EVCity

Electric Vehicle Charging Solutions

	Slow Socket ($\leq 22\text{kW}$)	Fast Socket ($> 22\text{kW}$, $\leq 150\text{kW}$)	Ultra Fast Socket ($> 150\text{kW}$)
Number of EVs per Socket	15	37	46
Output Power (kW) per EV	1.22	2.55	4.55

Number of Sockets & Output Power per EV

Source:

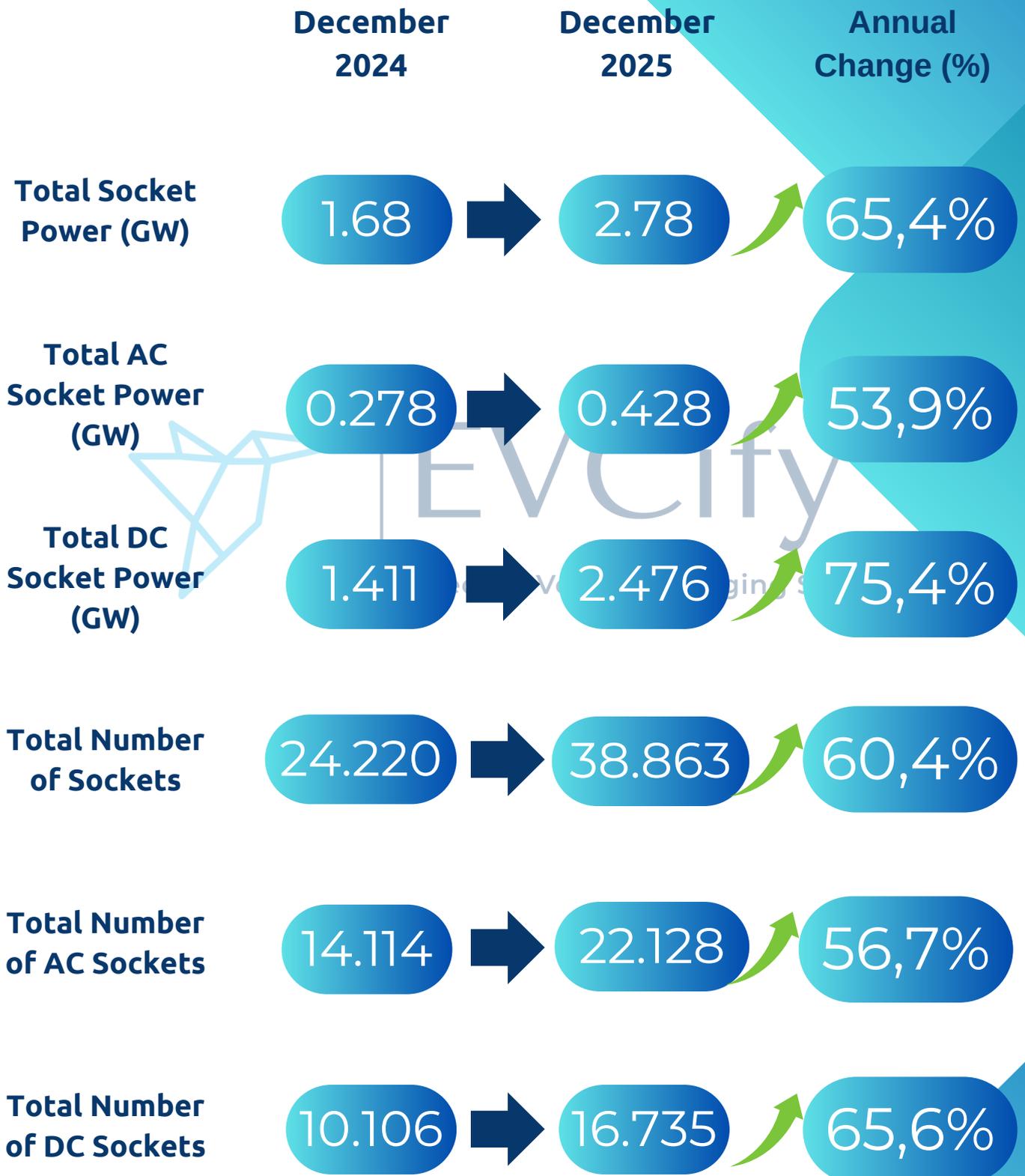
1. EMRA, Energy Market Regulatory Authority



<https://evcity.com>



EV Charging Infrastructure Annual Change



Benchmark Number of Sockets /Output Power by Years

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



Number of EVs in Türkiye

TÜİK, Turkish Statistical Institute



348.908

Total Number of EVs

165.284

January-November
2025 EVs

16.931

November 2025
EVs

9

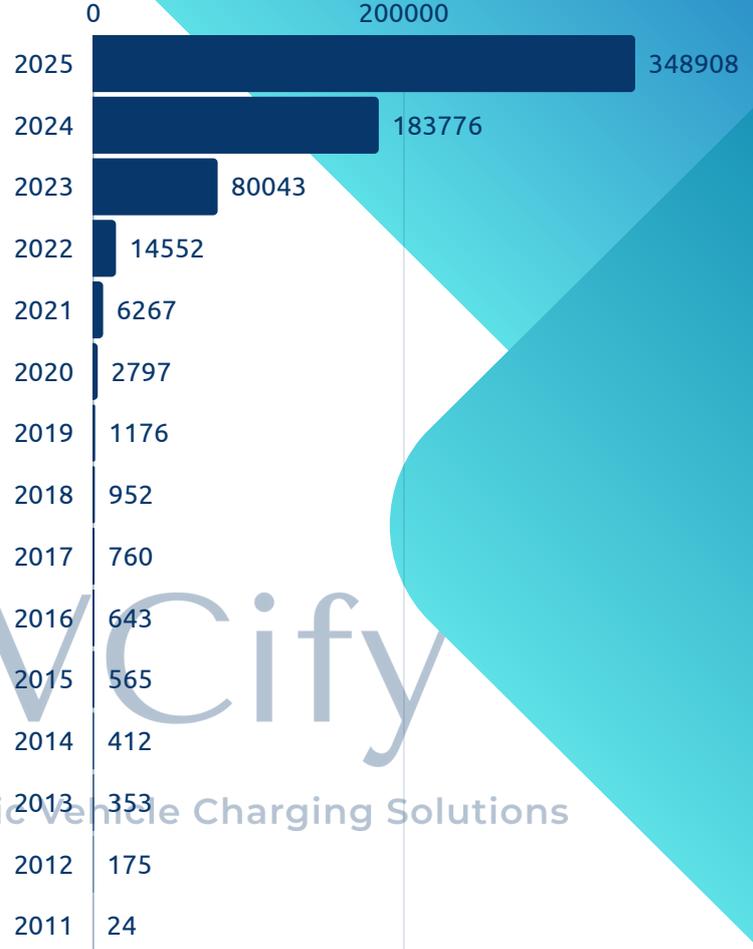
Number of EVs per Total Socket

15,76

Number of EVs
per AC Socket

20,84

Number of EVs
per DC Socket



Number of EVs by Years

November				January-November			
2024		2025		2024		2025	
Number	Market Share%	Number	Market Share%	Number	Market Share%	Number	Market Share%
12.139	7,6	16.931	17,6	86.956	9,5	165.284	17,0

Benchmark Number of EVs by Years

Source:

1. TÜİK, Turkish Statistical Institute
2. PEV is not included



<https://evcity.com>



Number of EVs in Türkiye

ODMD-Automotive Distributors & Mobility Association



350.120

Total Number of EVs

164.665

January-November
2025 EVs

17.892

November 2025
EVs

9

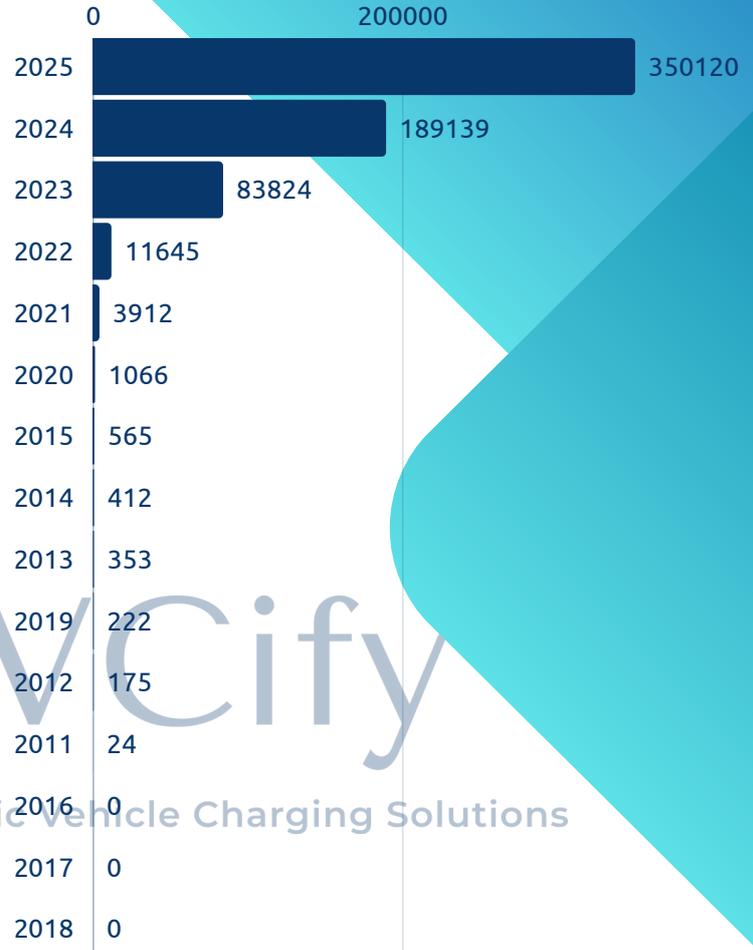
Number of EVs per Total Socket

15,8

Number of EVs
per AC Socket

20,9

Number of EVs
per DC Socket



Number of EVs by Years

November				January-November			
2024		2025		2024		2025	
Number	Market Share%	Number	Market Share%	Number	Market Share%	Number	Market Share%
12.970	13,7	17.892	17,1	77.891	9,2	164.665	17,6

Benchmark Number of EVs by Years

Source:

1. ODMD-Automotive Distributors & Mobility Association



<https://evcity.com>



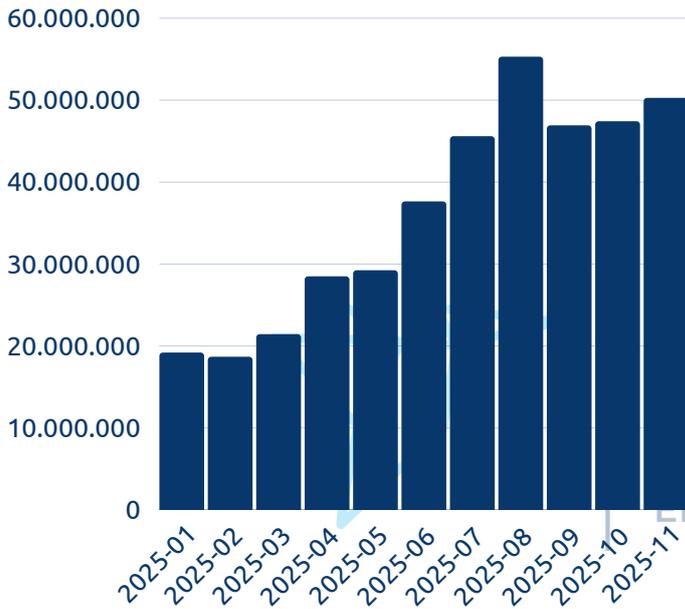
Electricity Consumption & Sessions

Monthly & Cumulative



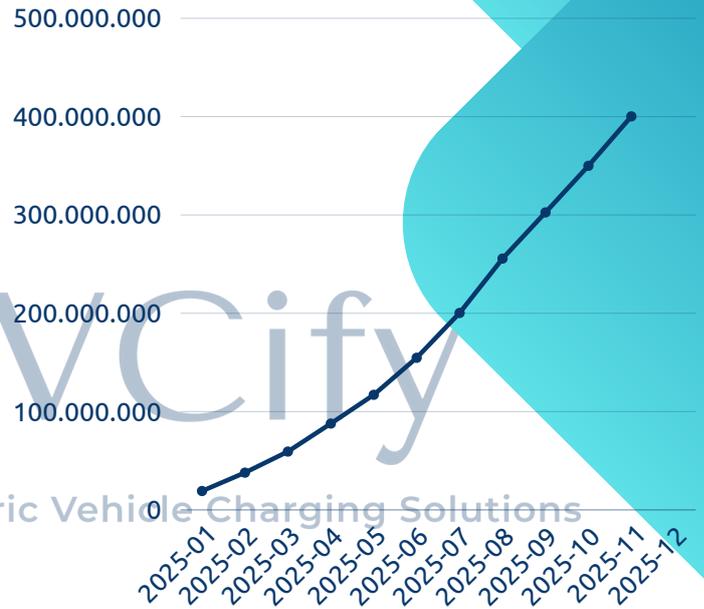
400.278,2

Total Electricity Consumption (MWh)

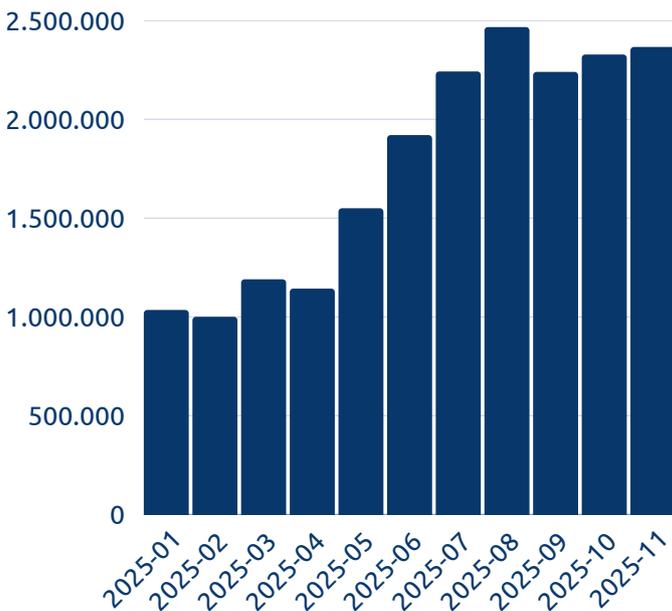


19.482.471

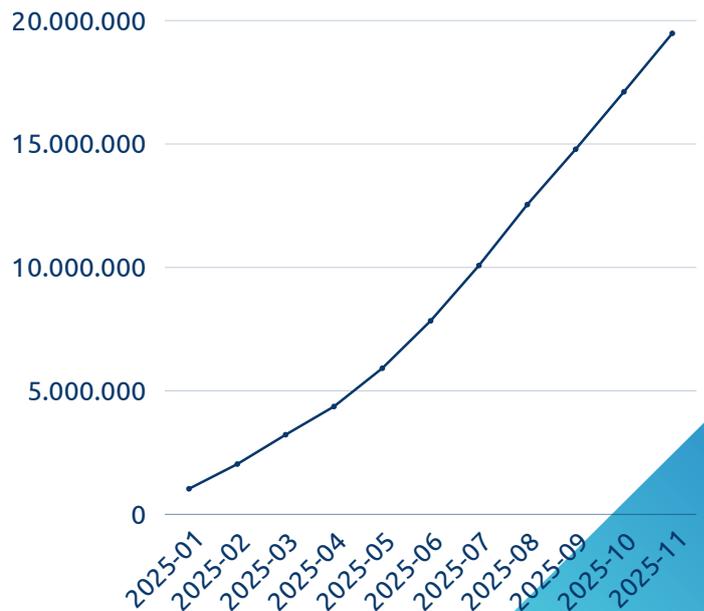
Total Charging Sessions



Electricity Consumption (kWh)



Cumulative Electricity Consumption (kWh)



Charging Sessions

Cumulative Charging Sessions

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcity.com>



Charging Service Data

November 2025 (AC vs DC)



Metric	AC	DC	Share (AC)	Share (DC)
Total Electricity Consumption (kWh)	8.606.439	41.674.491	17,12%	82,88%
Total Charging Time (minutes)	80.139.623	56.557.750	58,63%	41,37%
Total Charging Sessions	834.261	1.532.221	35,25%	64,75%
Consumption per Session (kWh/session)	10,32	27,20	–	–
Time per Session (minutes/session)	96,06	36,91	–	–

Source:

1. EMRA, Energy Market Regulatory Authority

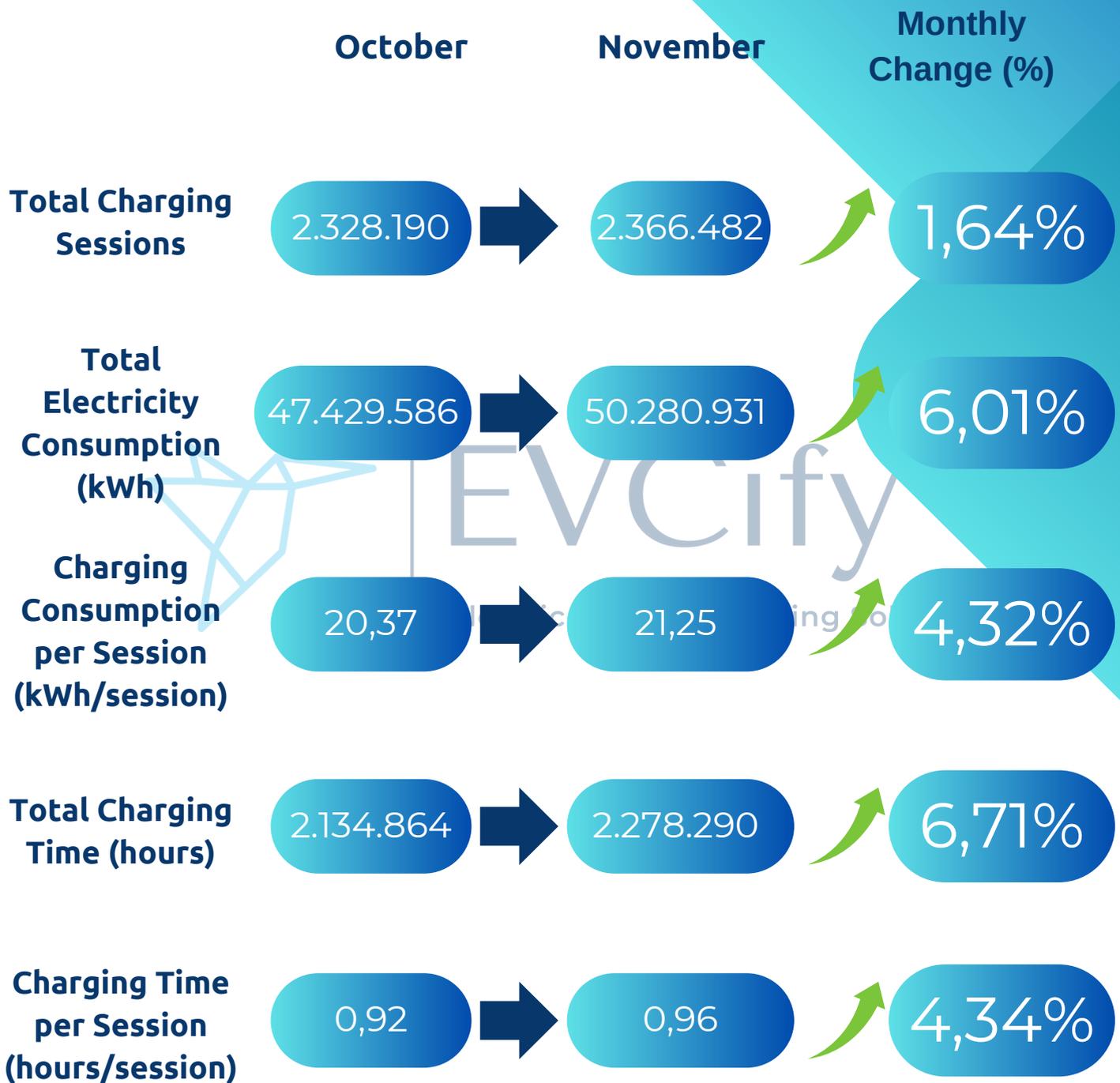


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Electricity Consumption

Monthly, 2025



Monthly Charging Sessions and Consumption Comparison

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>

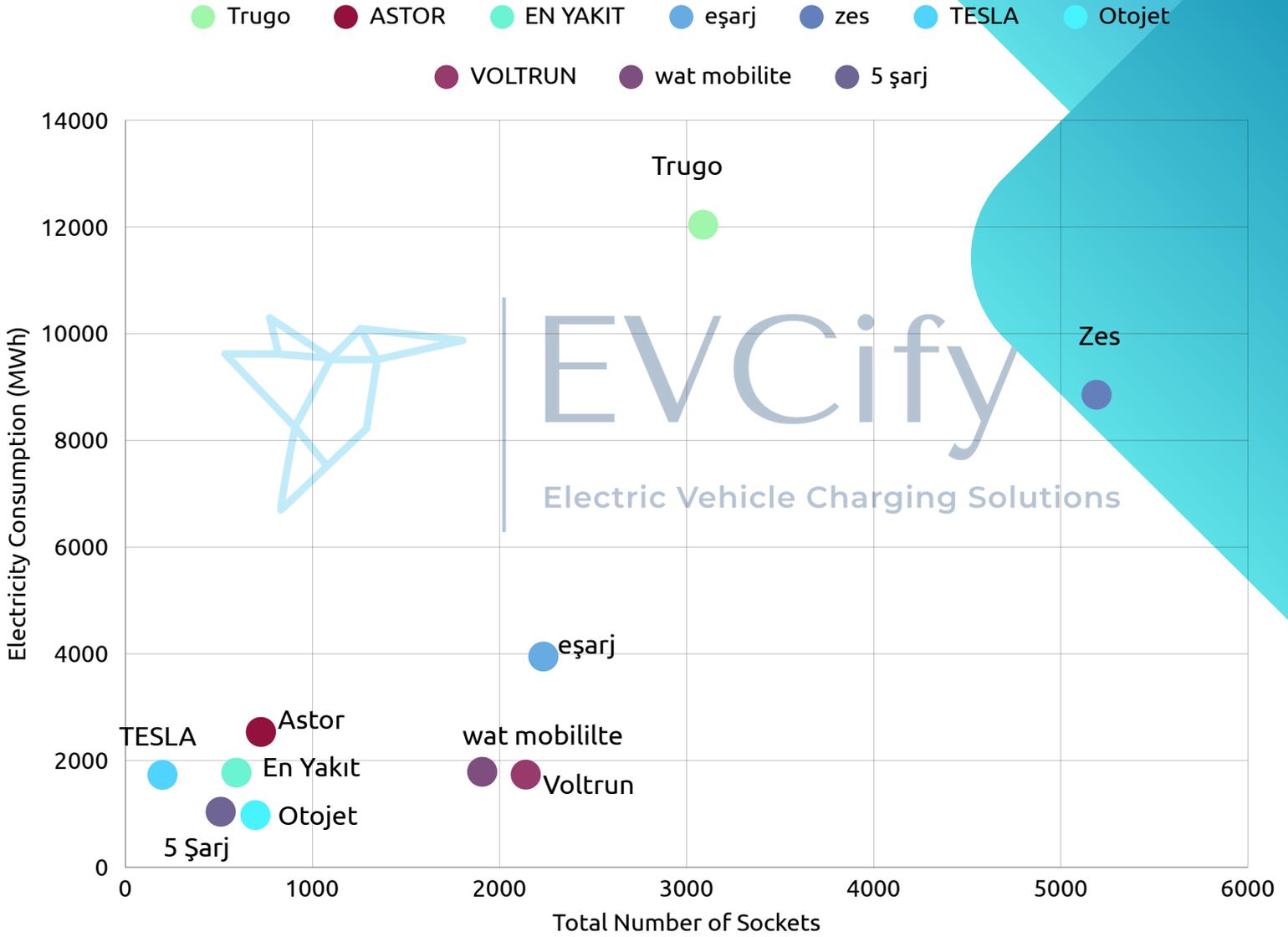


Electricity Consumption (MWh)

Scatter Plot Graph for November



Number of Sockets vs. Electricity Consumption (MWh)



Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



Electricity Consumption (MWh) & Share (%) by CPOs



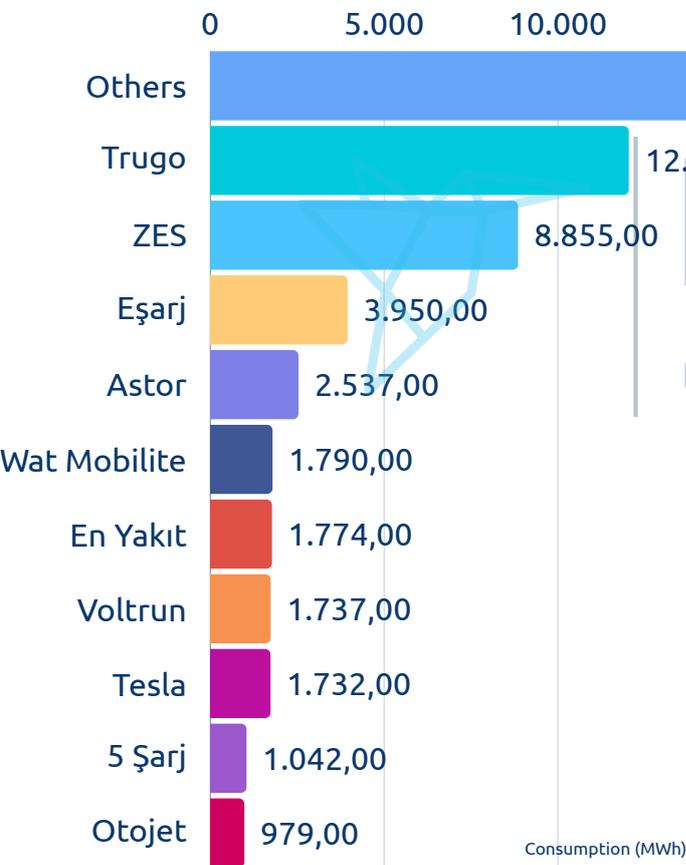
for November

36.437 MWh

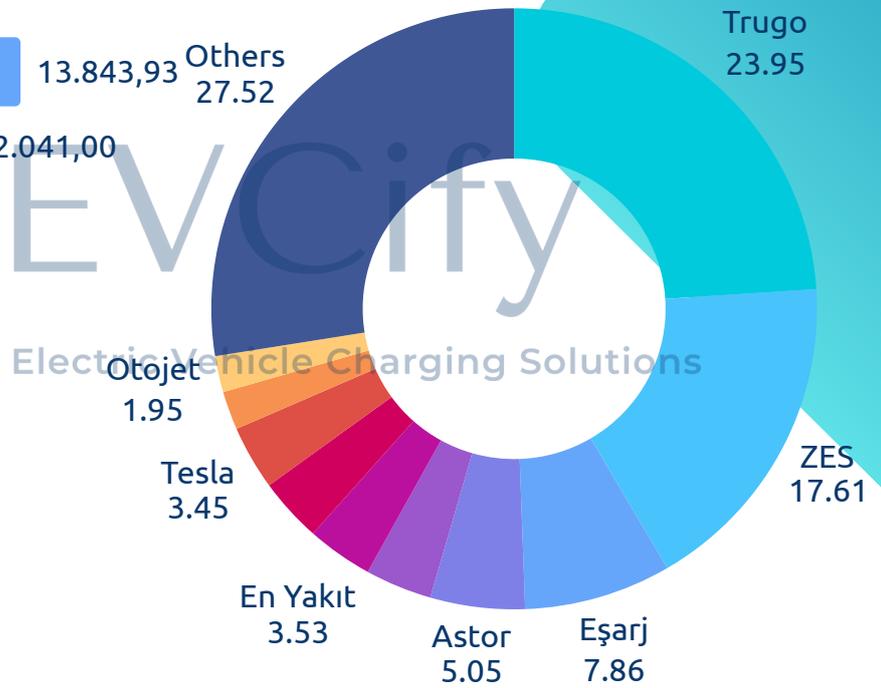
Top 10 CPOs
Total Consumption (MWh)

72,4%

Top 10 CPOs
Total Consumption Share



Total Electricity Consumption (MWh)
by CPOs



Total Consumption Share (%)
by CPOs

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



Electricity Consumption (MWh) & Share (%) by Cities

for November

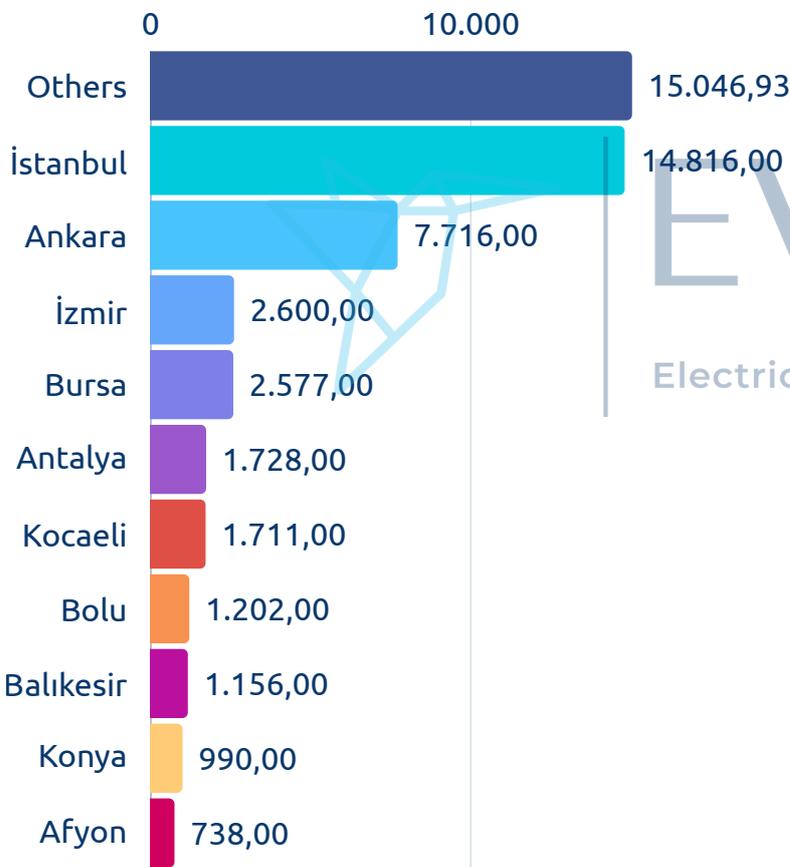


35.234 MWh

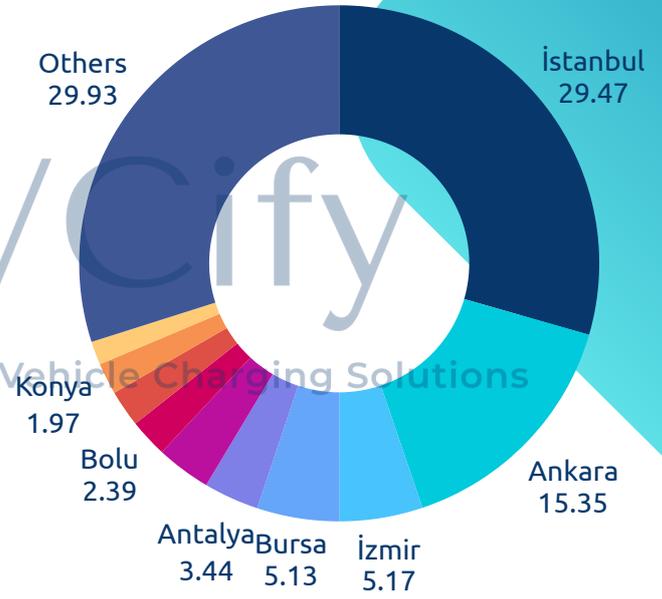
Top 10 Cities
Total Consumption (MWh)

70,07%

Top 10 Cities
Total Consumption Share



Consumption Share (%) by Cities



Consumption Share (%) by Cities

Source:
1. EMRA, Energy Market Regulatory Authority



Monthly Consumption Data (kWh)

Between January and November, 2025



Month	Total Charging Sessions	Total Electricity Consumption (kWh)	Charging Consumption per Session (kWh/session)
January	1,034,827	19,198,504	18.55
February	1,000,155	18,686,969	18.68
March	1,190,024	21,442,938	18.02
April	1,143,170	28,502,791	24.93
May	1,549,854	29,243,716	18.87
June	1,920,138	37,648,050	19.61
July	2,242,379	45,605,809	20.34
August	2,467,101	55,309,381	22.42
September	2,240,151	46,929,508	20.95
October	2,328,190	47,429,586	20.37
November	2,366,482	50,280,931	21.25

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



Monthly Charging Service Data

Between January and November, 2025



Month	Total Charging Sessions	Total Charging Time (hours)	Charging Time per Session (hours/session)
January	1.034.827	999.567	0,97
February	1.000.155	1.013.068	1,01
March	1.190.024	1.115.747	0,94
April	1.143.170	1.338.556	1,17
May	1.549.854	1.394.648	0,90
June	1.920.138	1.539.391	0,80
July	2.242.379	1.873.750	0,84
August	2.467.101	2.100.128	0,85
September	2,240,151	1,965,696	0.88
October	2,328,190	2,134,864	0.92
November	2.366.482	2.278.290	0,96

Source:

1. EMRA, Energy Market Regulatory Authority



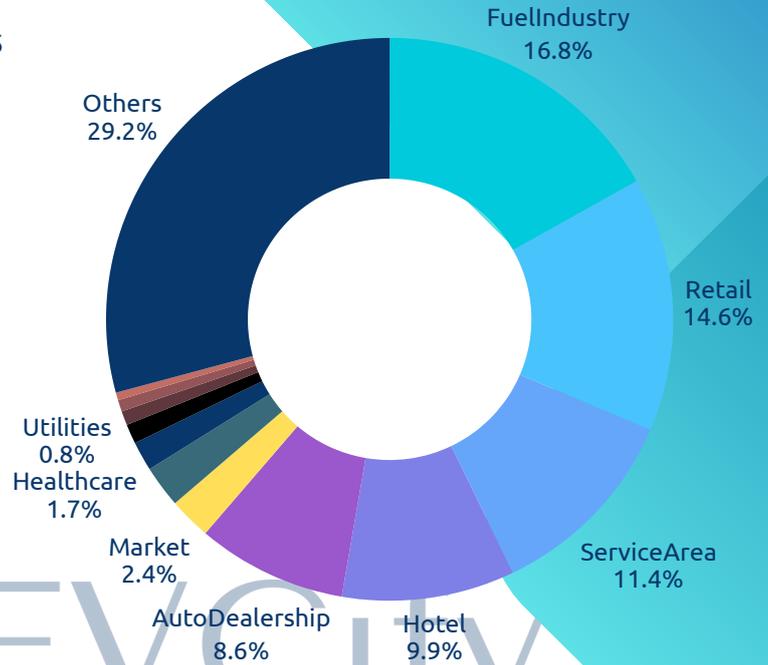
<https://evcify.com>



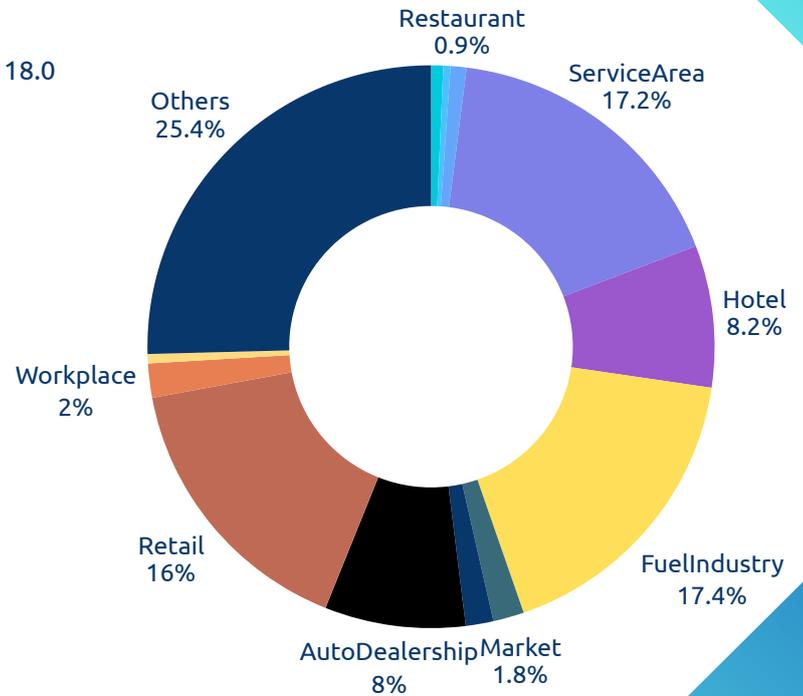
Installed DC Sockets By Sectors



Not updated this month, data is for June



Number of Sockets
Electric Vehicle Charging Solutions

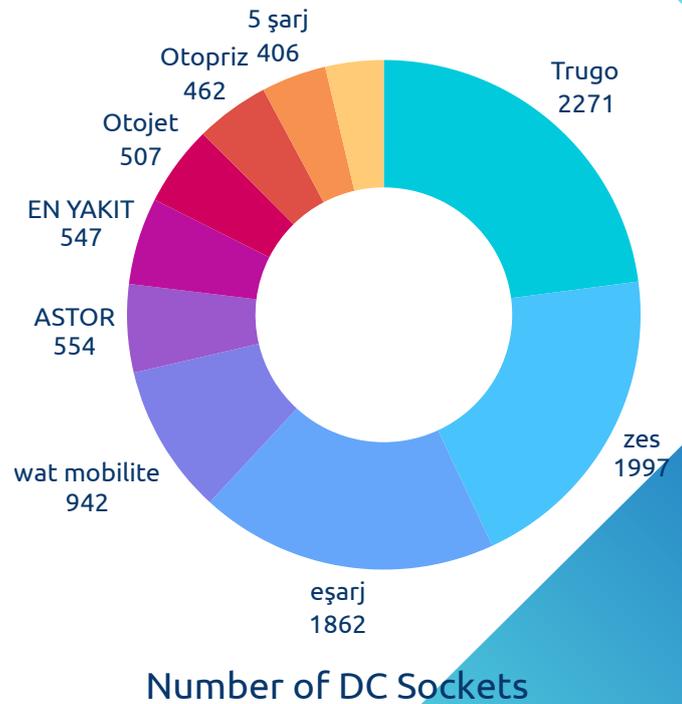
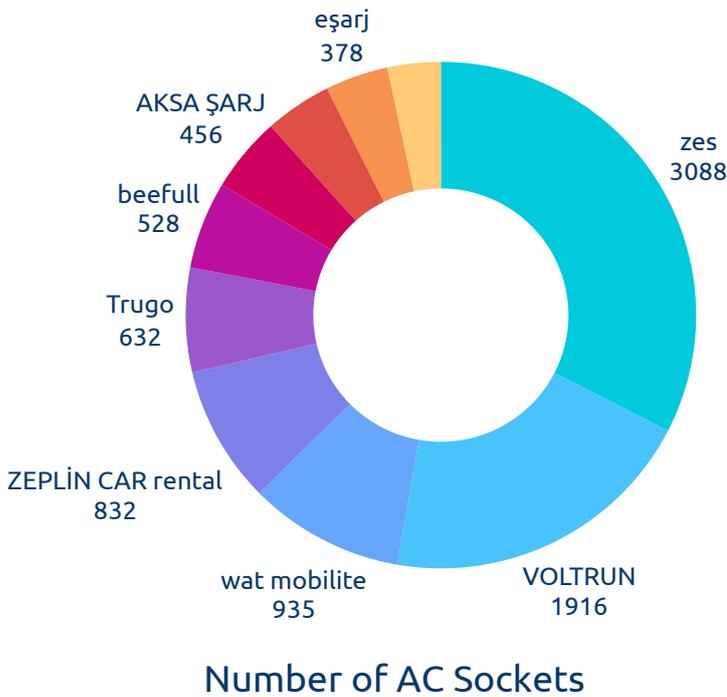
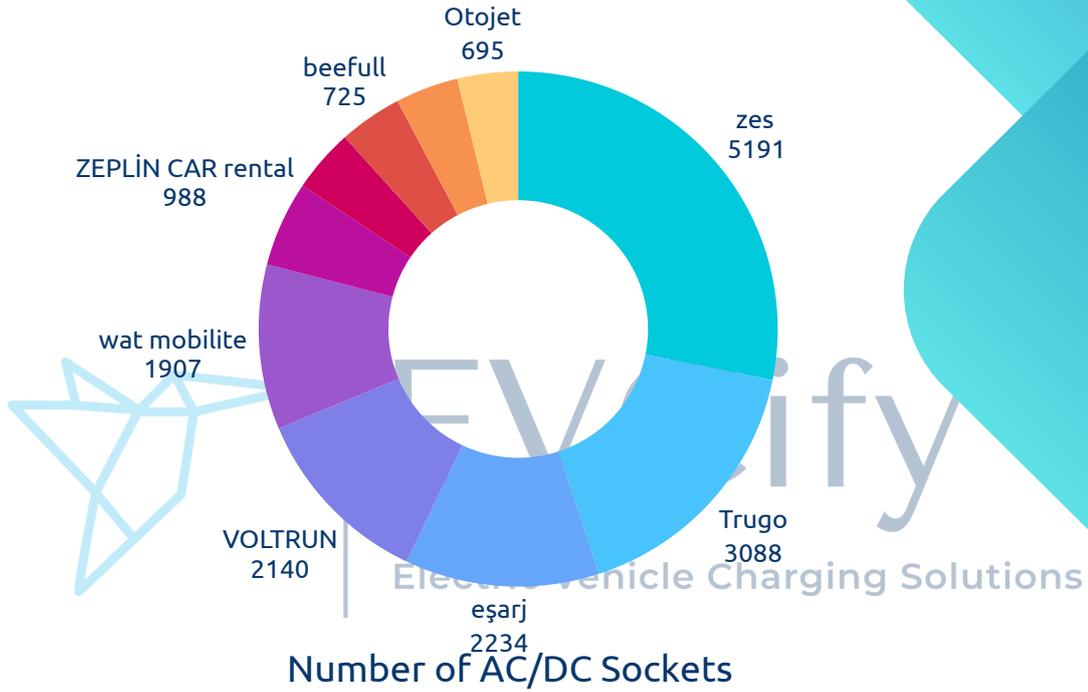
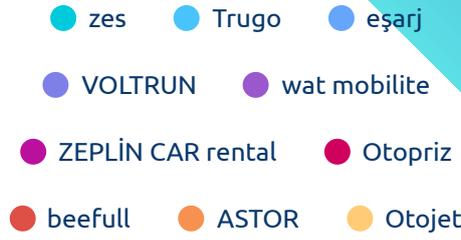


Output Power of Sockets (kW)

Source:
1. EMRA, Energy Market Regulatory Authority



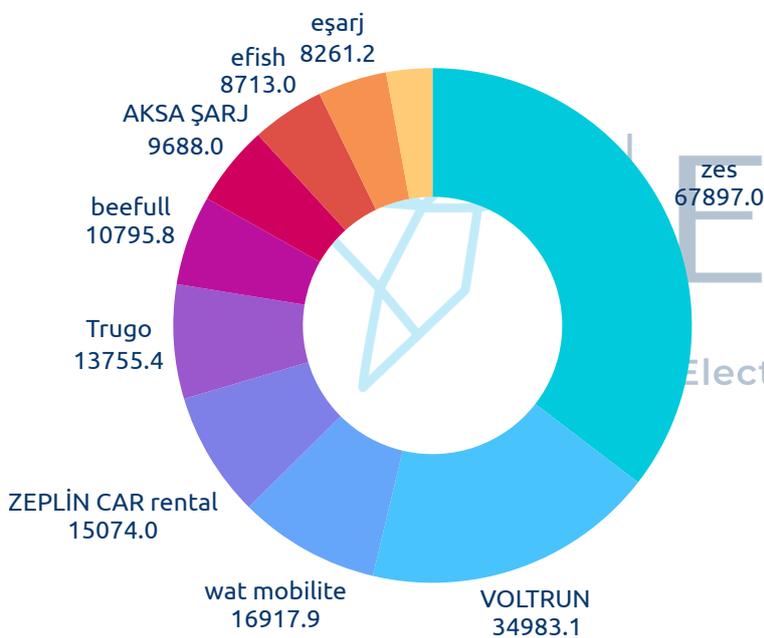
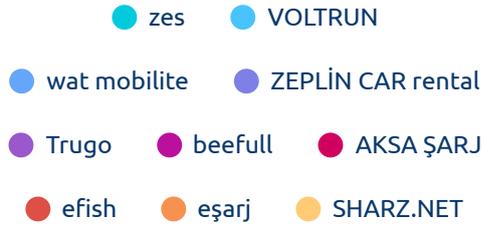
Top 10 CPOs with the Highest Number of Sockets



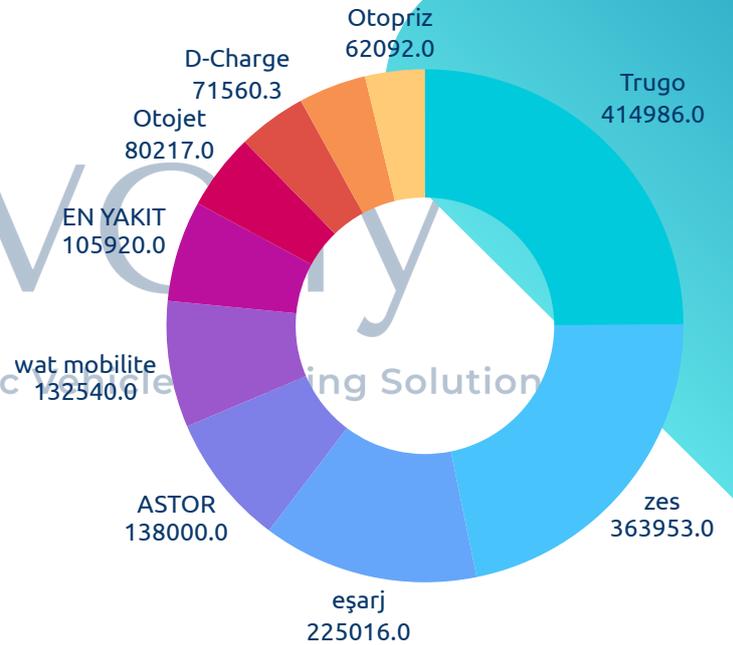
Source:
1. EMRA, Energy Market Regulatory Authority



Top 10 CPOs with the Highest Output Power of Sockets



Top 10 CPOs with the Highest Output Power of AC Sockets (kW)



Top 10 CPOs with the Highest Output Power of DC Sockets (kW)

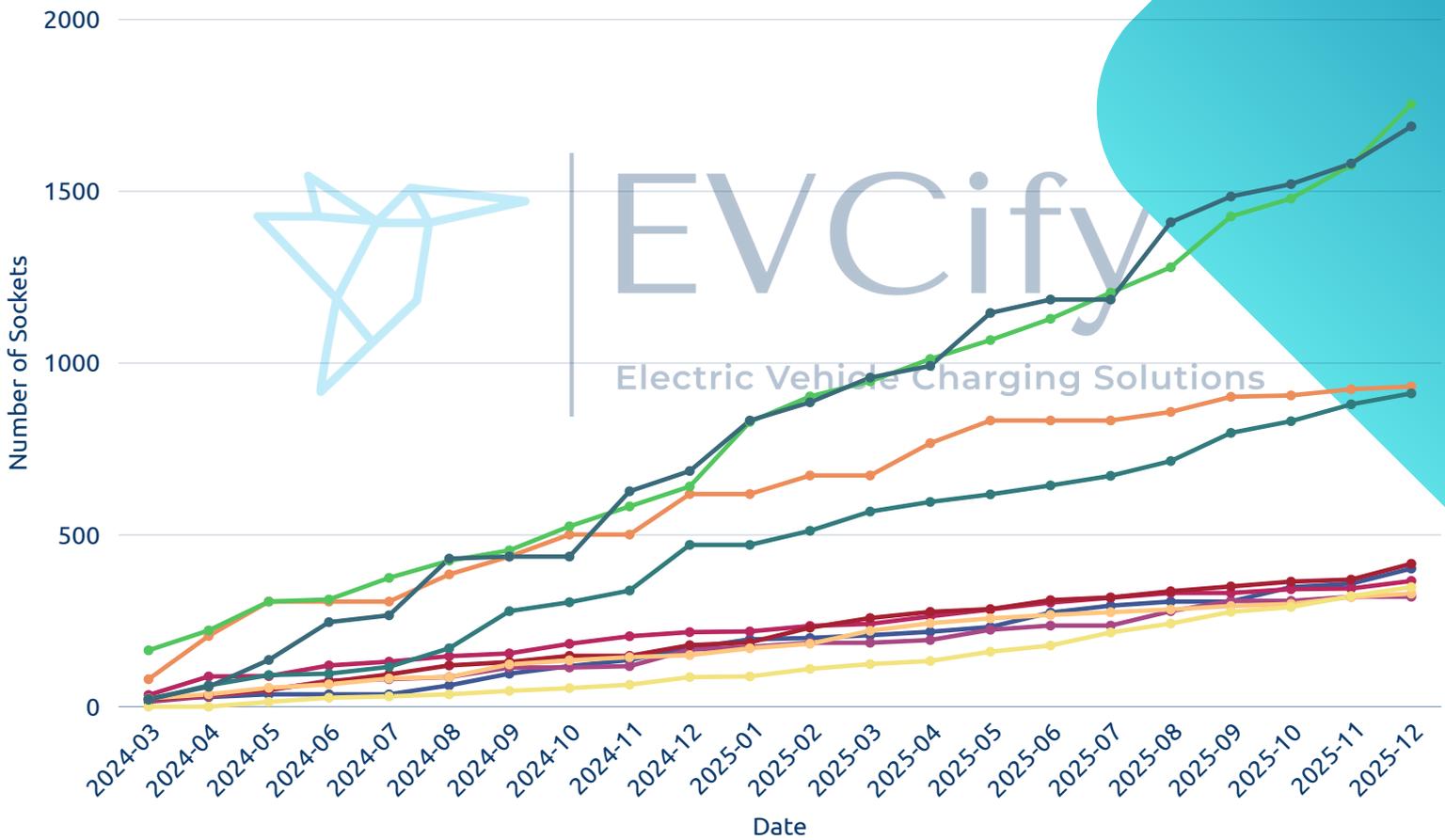
Source:
1. EMRA, Energy Market Regulatory Authority



DC Socket Investments of Leader 10 CPOs



- 5 şarj
- ASTOR
- D-Charge
- EN YAKIT
- eşarj
- Otojet
- Otopriz
- Trugo
- wat mobilite
- zes

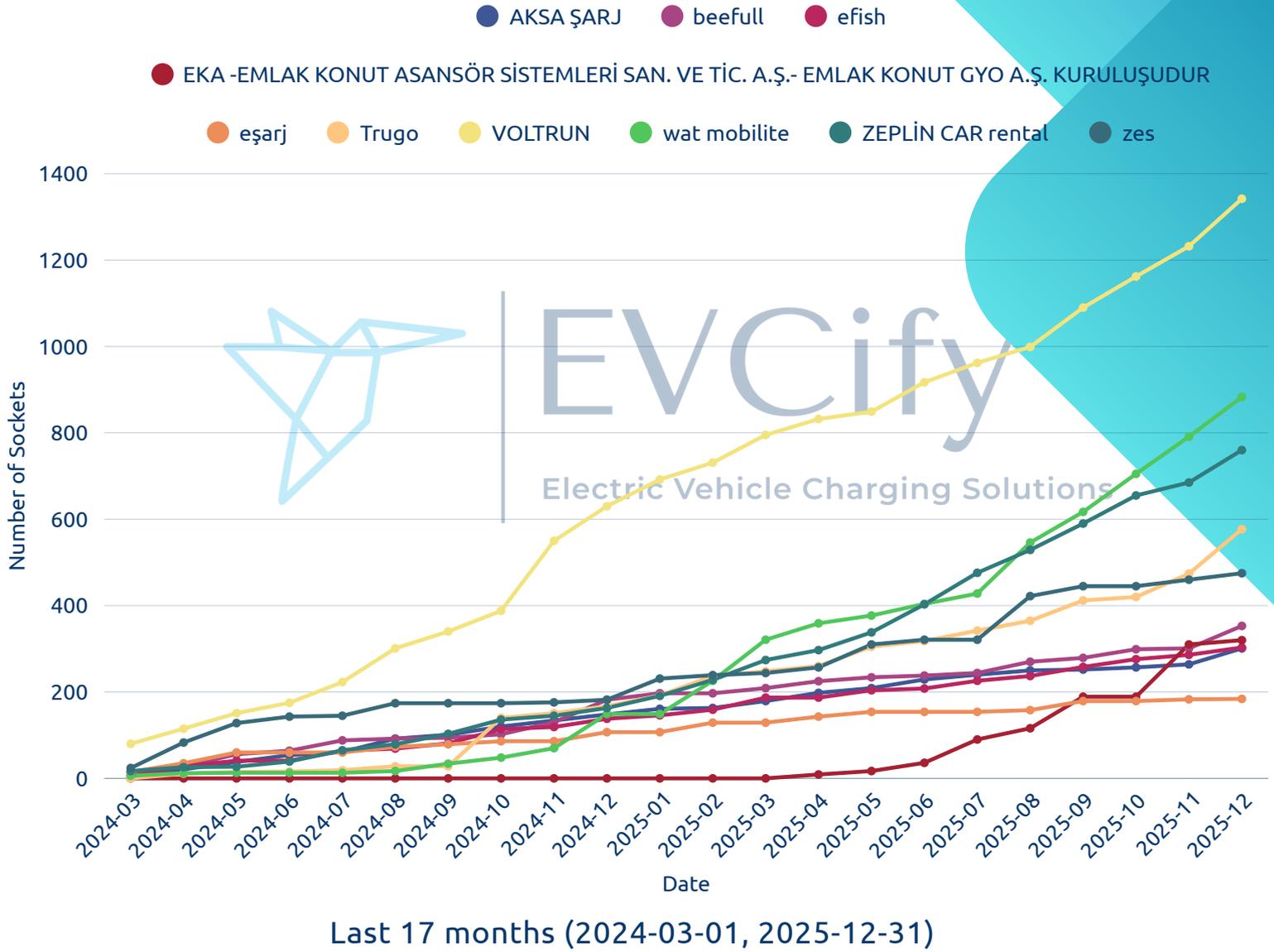


Last 17 months (2024-03-01, 2025-12-31)

Source:
1. EMRA, Energy Market Regulatory Authority



AC Socket Investments of Leader 10 CPOs

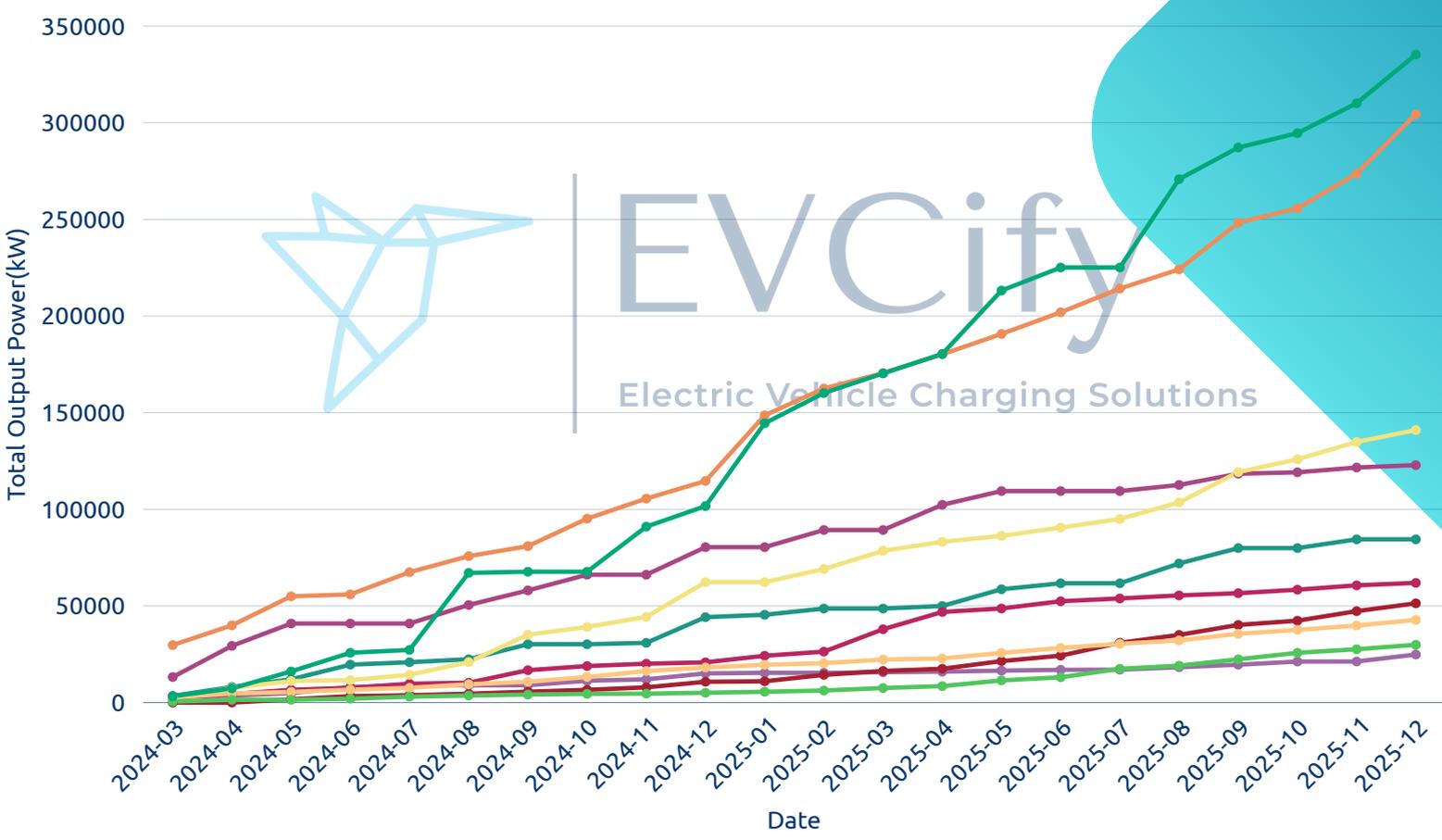


Source:
1. EMRA, Energy Market Regulatory Authority



Total Output Power(kW) Installed in AC/DC Socket of Leader 10 CPOs

● ASTOR
 ● befull
 ● eşarj
 ● Otojet
 ● Otopriz
 ● Trugo
 ● VOLTRUN
● wat mobilite
● ZEPLİN CAR rental
● zes



Last 17 months (2024-03-01, 2025-12-31)

Source:
1. EMRA, Energy Market Regulatory Authority



AC Socket Market Share

Top 5 Charging Point Operators



22.128

Total Number
of AC Sockets

7.425

Top 5
CPOs

33,6

Market
Share (%)

CPO	Number of Sockets	Market Share (%)
zes	3088	13.92
VOLTRUN	1922	8.67
wat mobilite	938	4.23
ZEPLIN CAR rental	845	3.81
Trugo	632	2.85

Kaynak:

1. EMRA, Energy Market Regulatory Authority



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DC Socket Market Share

Top 5 Charging Point Operators



16.735

Total Number
of DC Sockets

7.994

Top 5
CPOs

58,2

Market
Share (%)

CPO	Number of Sockets	Market Share (%)
Trugo	2456	14.65
zes	2117	12.63
eşarj	1856	11.07
wat mobilite	972	5.80
EN YAKIT	593	3.54

Kaynak:

1. EMRA, Energy Market Regulatory Authority



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AC/DC Socket Market Share

Top 5 Charging Point Operators



38.863

Toplam
AC/DC Soket Sayısı

14.585

Top 5
Şarj Ağı Operatörü

37,5

Pazar
Payı (%)

Şarj Ağı Operatörü	Soket Sayısı	Pazar Oranı (%)
zes	5205	13.37
Trugo	3088	7.93
eşarj	2234	5.74
VOLTRUN	2148	5.52
wat mobilite	1910	4.90

Kaynak:

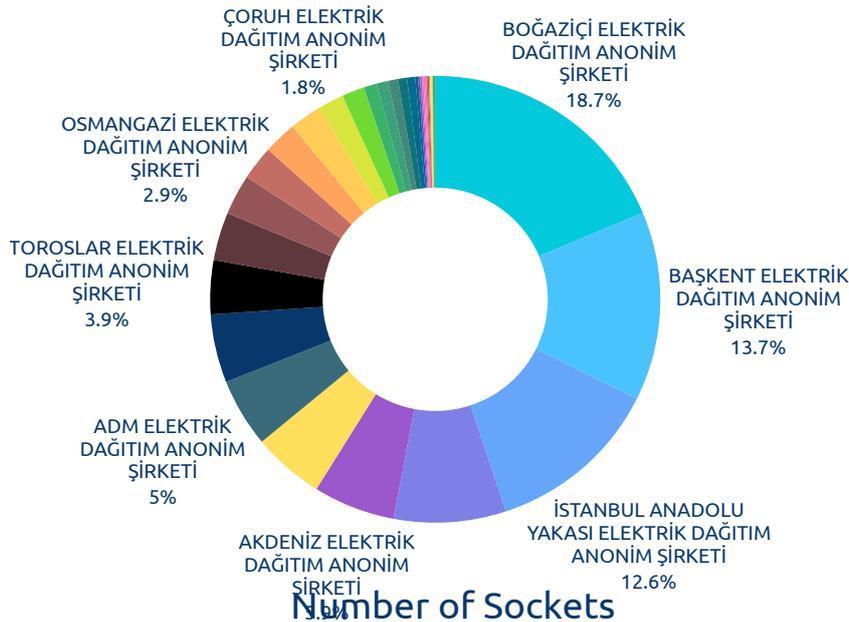
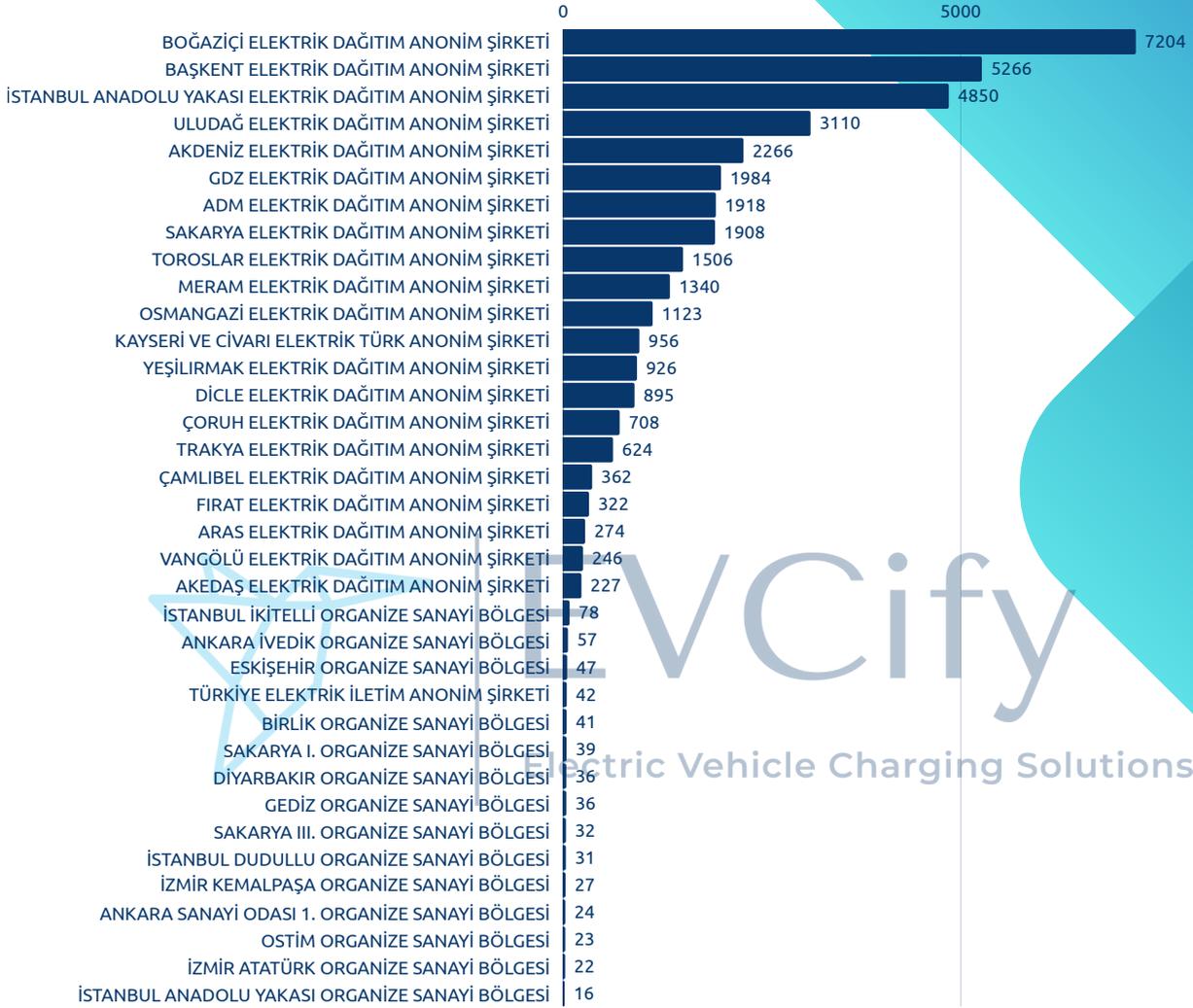
1. EMRA, Energy Market Regulatory Authority



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Number of Sockets By Electricity Energy Distribution Regions



Source:

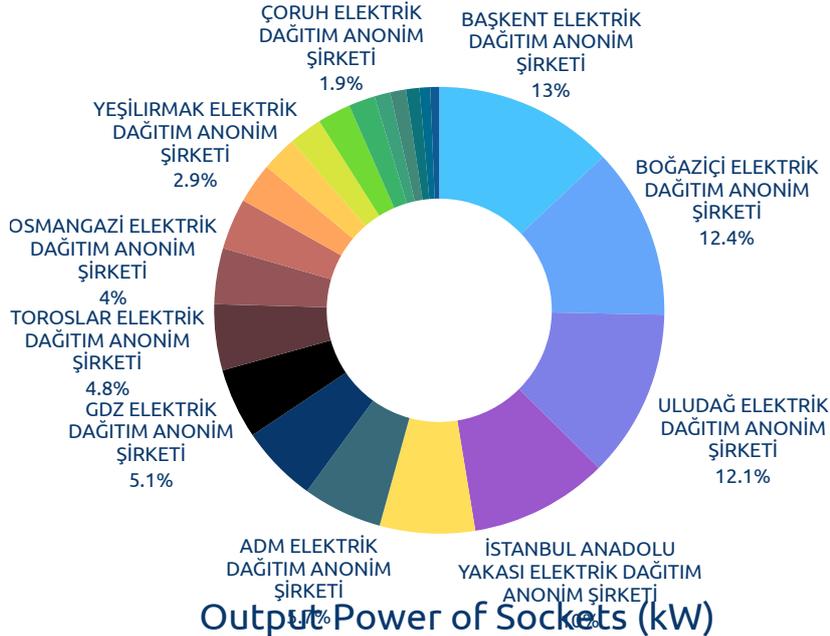
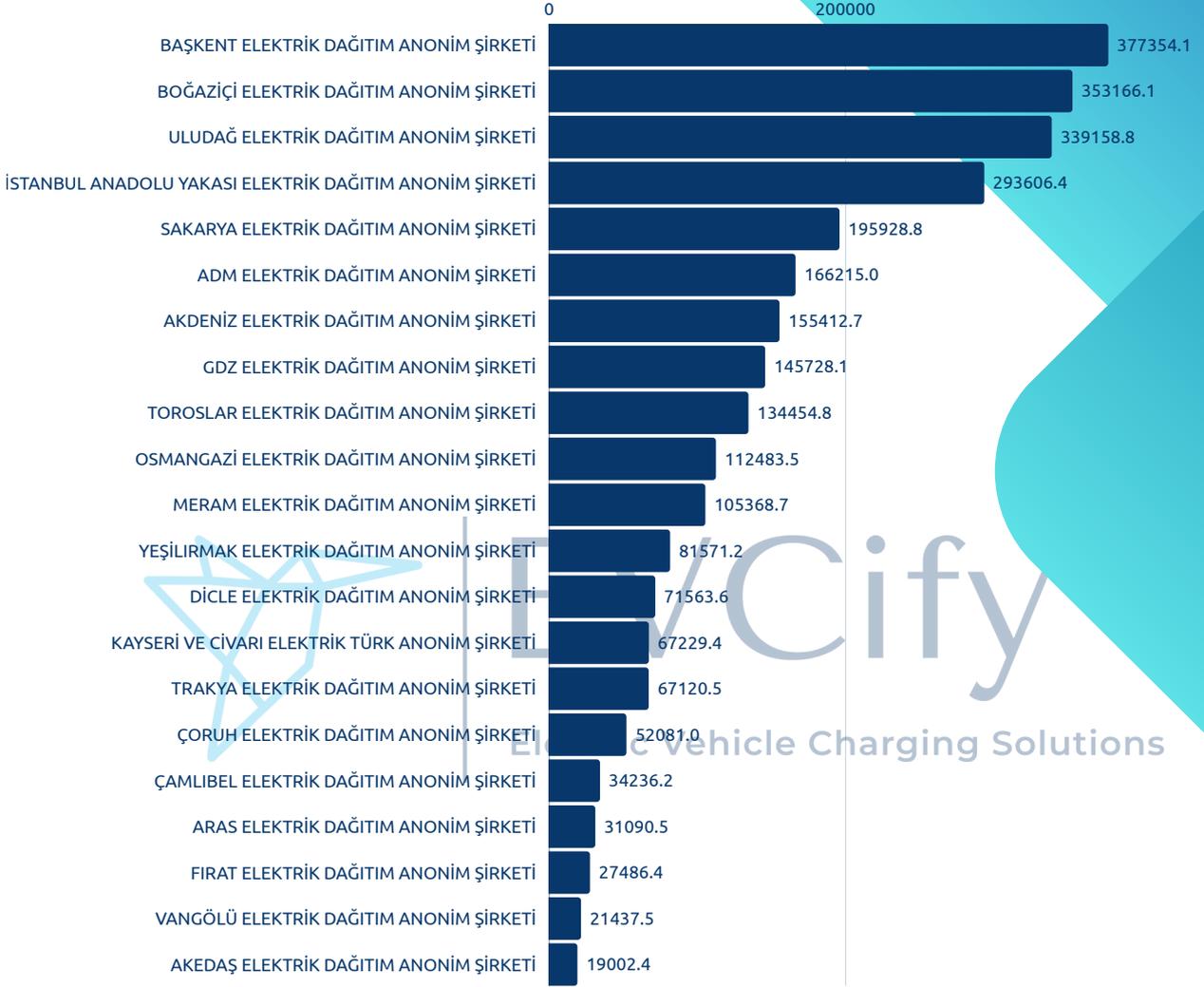
1. EMRA, Energy Market Regulatory Authority



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Output Power of Sockets (kW) By Electricity Energy Distr. Regions



Output Power of Sockets (kW)

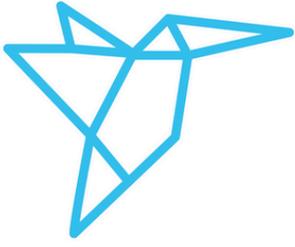
Source:

1. EMRA, Energy Market Regulatory Authority



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