



Switch
To
Electric
Vehicle

EVCify

Electric Vehicle Charging Solutions

EV Charging Network

Assessment of September 2025 in Türkiye (*The 14th edition*)

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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**](https://data-sharing-web-app.evciify.com)



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 September 2025 report highlights a record-breaking surge in EV charging demand: more than **55 million kWh** consumed in a single month (August).
- **Infrastructure Growth:**
 - By September 2025, the total number of sockets reached **35,494**:
 - **20,264** AC sockets
 - **15,220** DC sockets
 - During August alone, **1,533 new sockets** were added.
 - Boğaziçi Elektrik Dağıtım A.Ş. leads with the **highest** number of installed sockets (**6,577**).
 - Uludağ Elektrik Dağıtım A.Ş. holds the **largest** installed power capacity (**325.270 kW**).
- **Consumption Split (August 2025):**
 - **DC charging accounted for 87,9%** of total electricity consumption.
 - **AC charging accounted for 12,1%.**
 - 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, 1.27 kW/EV**
- Fast Socket ($> 22\text{kW}$, $\leq 150\text{kW}$): **35 EVs per socket, 2.66 kW/EV**
- Ultra-Fast Socket ($> 150\text{kW}$): **46 EVs per socket, 4.58 kW/EV**

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

- **Market Penetration (TÜİK):**

- EV sales in August 2025: **18,776 units**
- Cumulative Jan–Aug 2025 sales: **124,533 units**
- Total EV stock in Turkey: **308,257 vehicles**

- **Market Penetration (ODMD):**

- EV sales in September 2025: **12,706 units**
- Cumulative Jan–Sep 2025 sales: **132,346 units**
- Total EV stock in Turkey: **322,723 vehicles**

- **Operator Concentration:**

- In July 2025, **the Top 10 CPOs consumed 42,817 MWh**, representing **77,41%** of total demand.

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

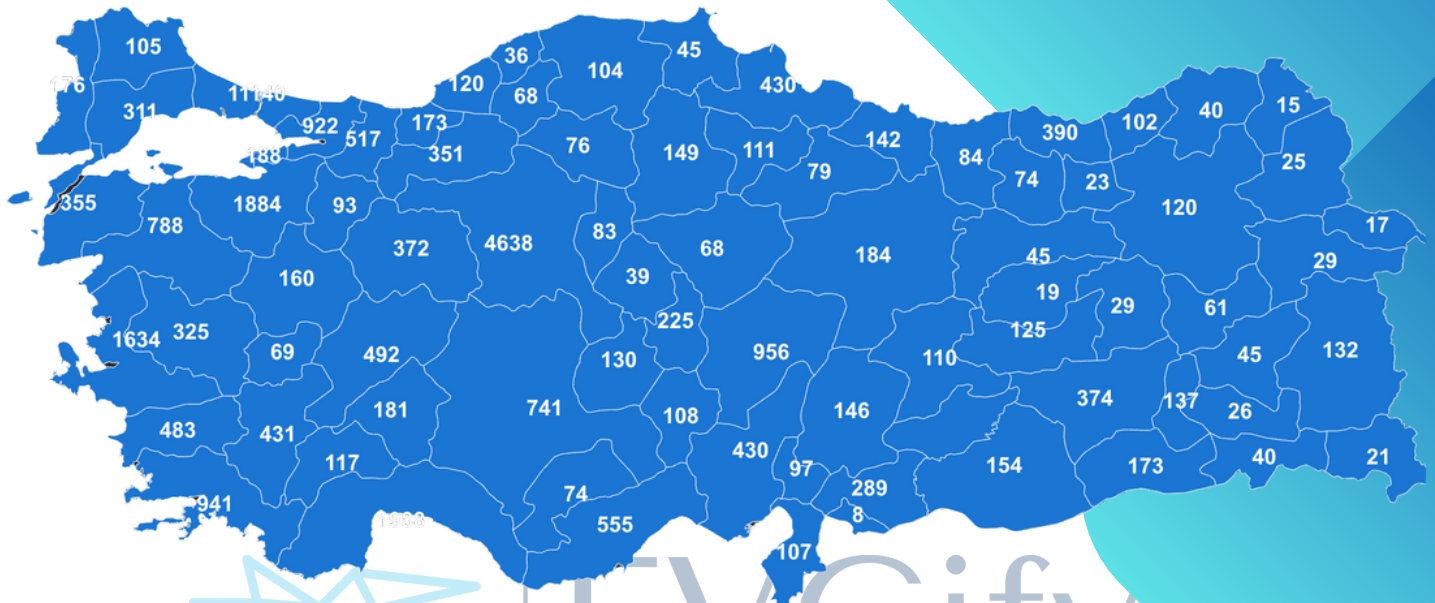
- **Regional Concentration:**

- In July 2025, **the Top 10 provinces consumed 35.777 MWh**, covering **64.69%** of total demand.

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

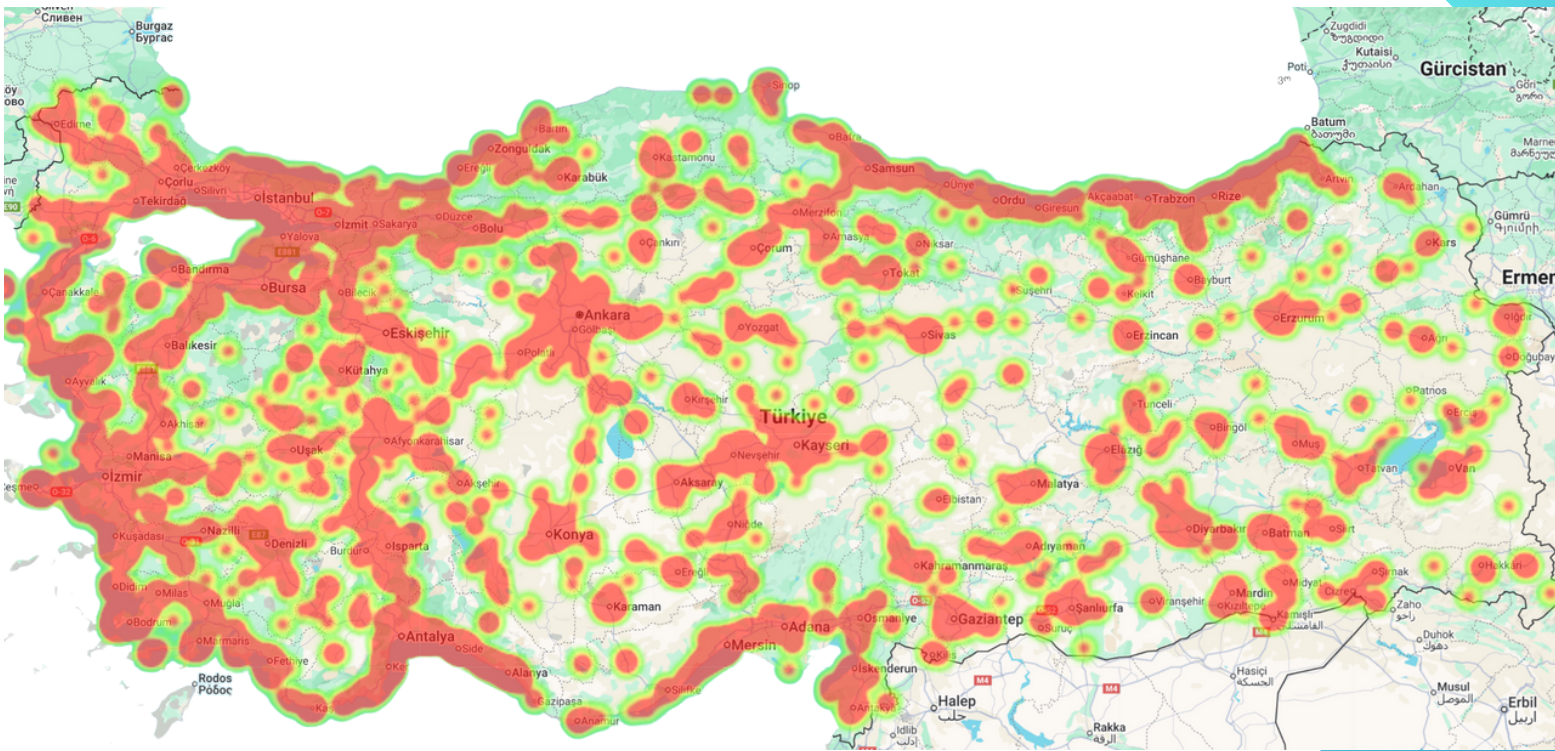


Map & HeatMap



Number of Total AC/DC Sockets

Electric Vehicle Charging Solutions



Heatmap



<https://evcity.com>



Number of Sockets in Türkiye



2.620

Total Socket Power (GW)

35.494

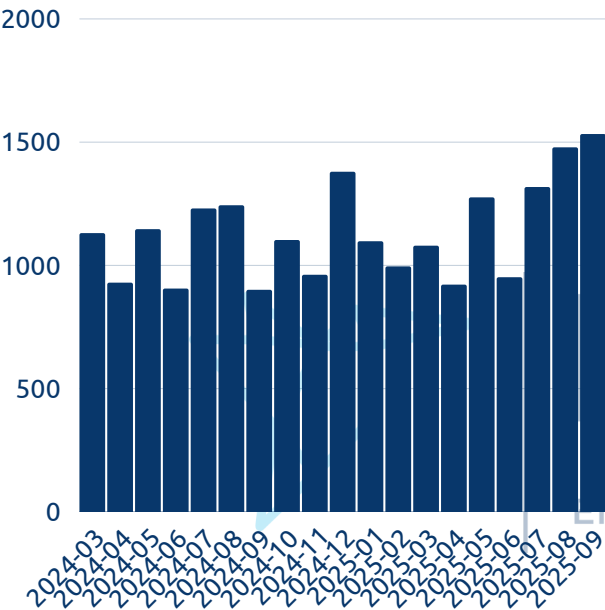
Total Number of Sockets

20.274

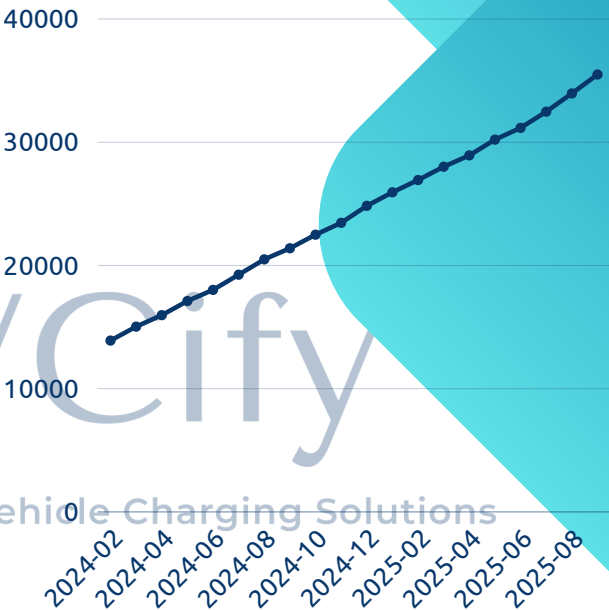
Total Number of AC Sockets

15.220

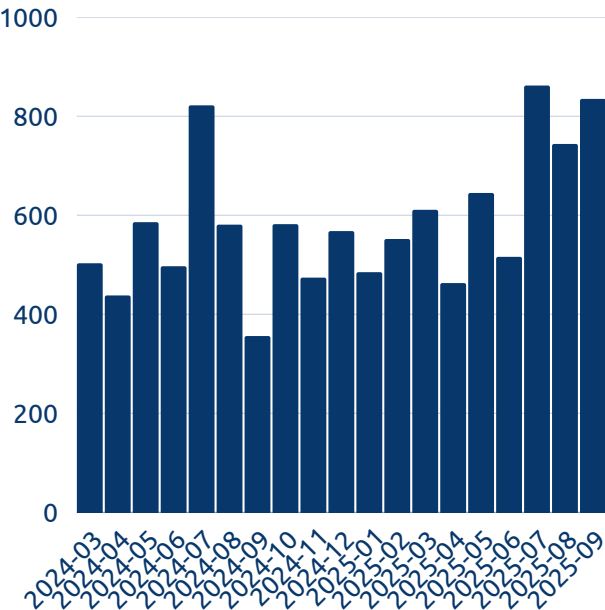
Total Number of DC Sockets



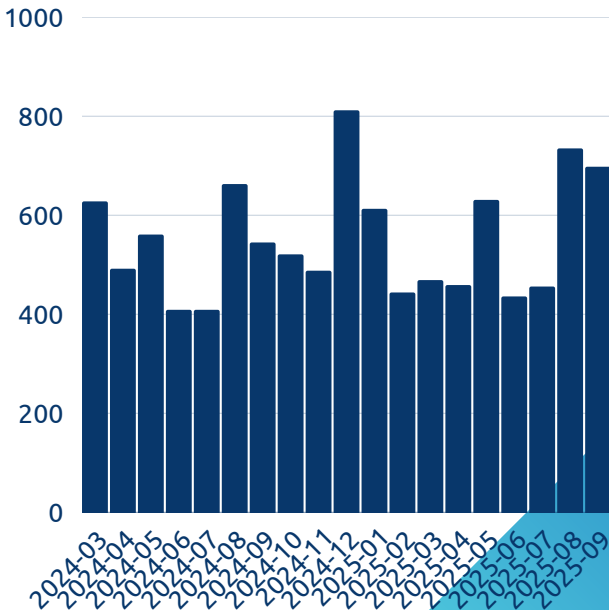
Number of Total Sockets



Cumulative Number of Total Sockets



Number of AC Sockets

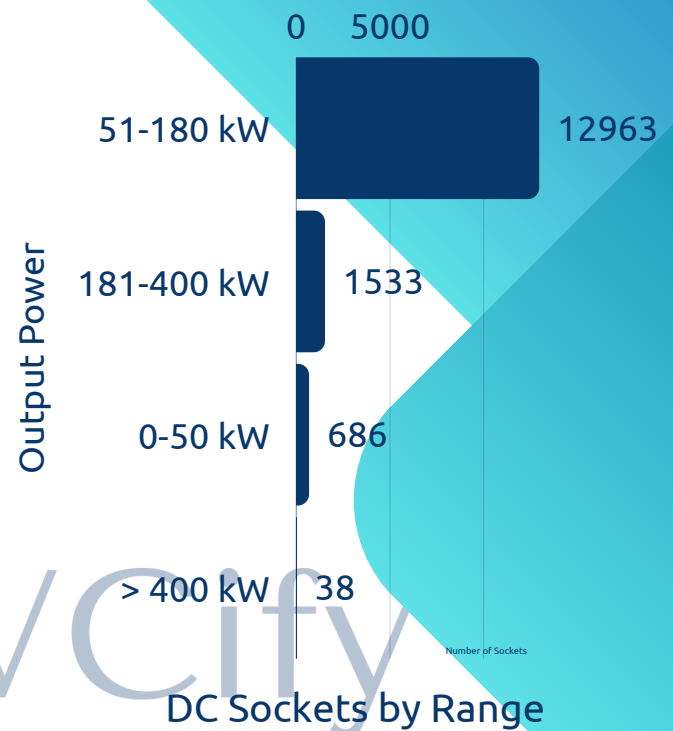
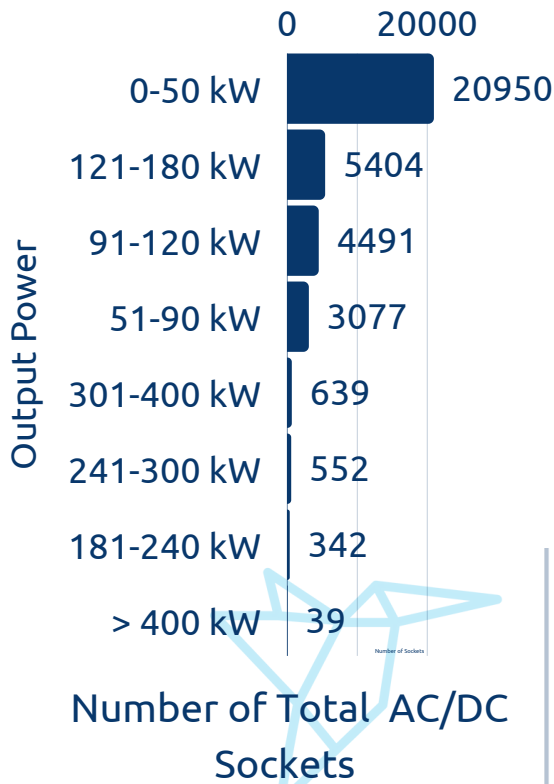


Number of DC Sockets

Source:
1. EMRA, Energy Market Regulatory Authority



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	35	46
Output Power (kW) per EV	1.27	2.66	4.58

Number of Sockets & Output Power per EV

Source:

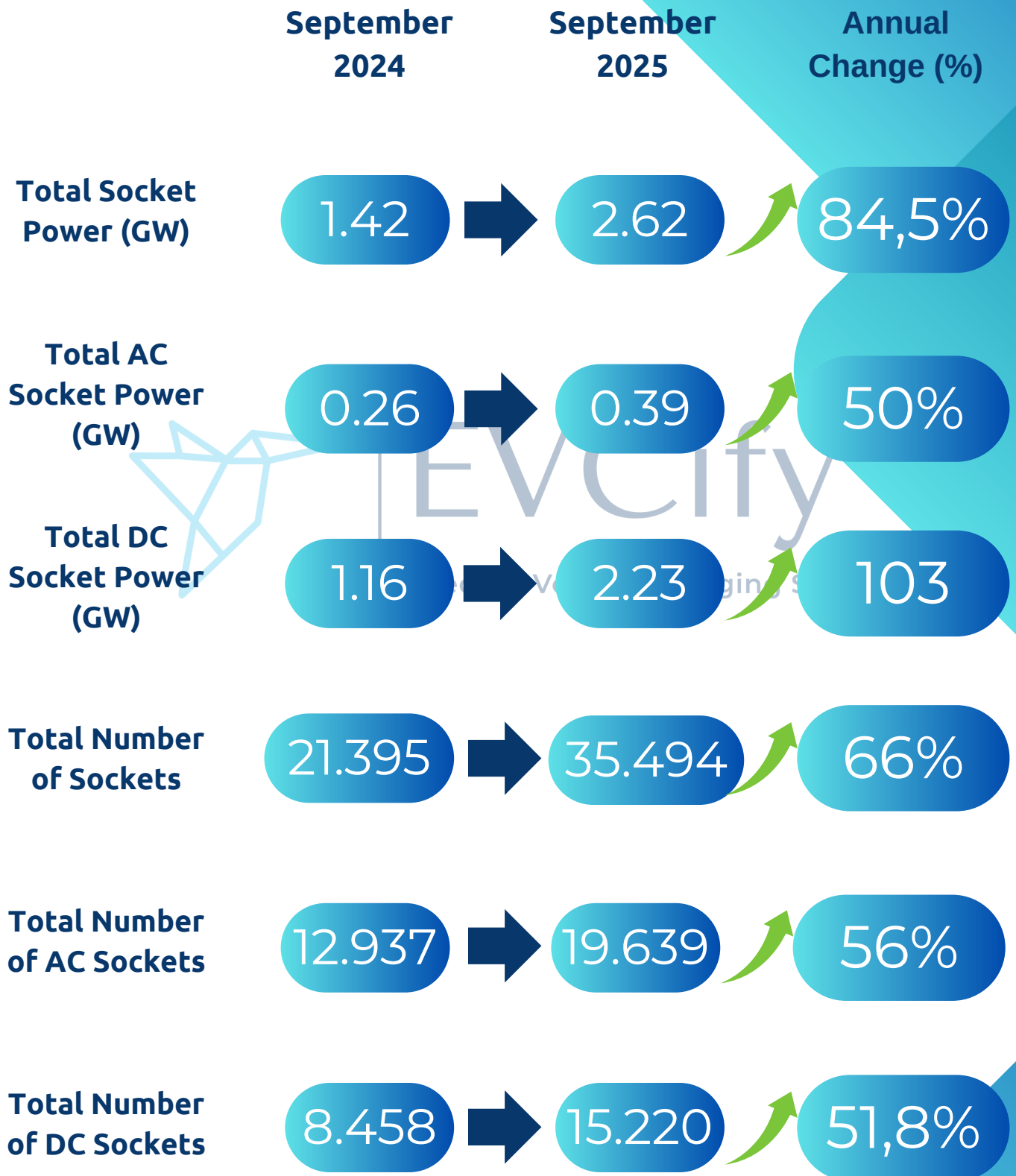
1. EMRA, Energy Market Regulatory Authority



<https://evcity.com>



EV Charging Infrastructure Annual Change



Benchmark Number of Sockets /Ouput Power by Years

Source:

1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



Number of EVs in Türkiye

TÜİK, Turkish Statistical Institute



308.257

Total Number of EVs

124.533

January-August 2025
EVs

18.776

August 2025
EVs

8,68

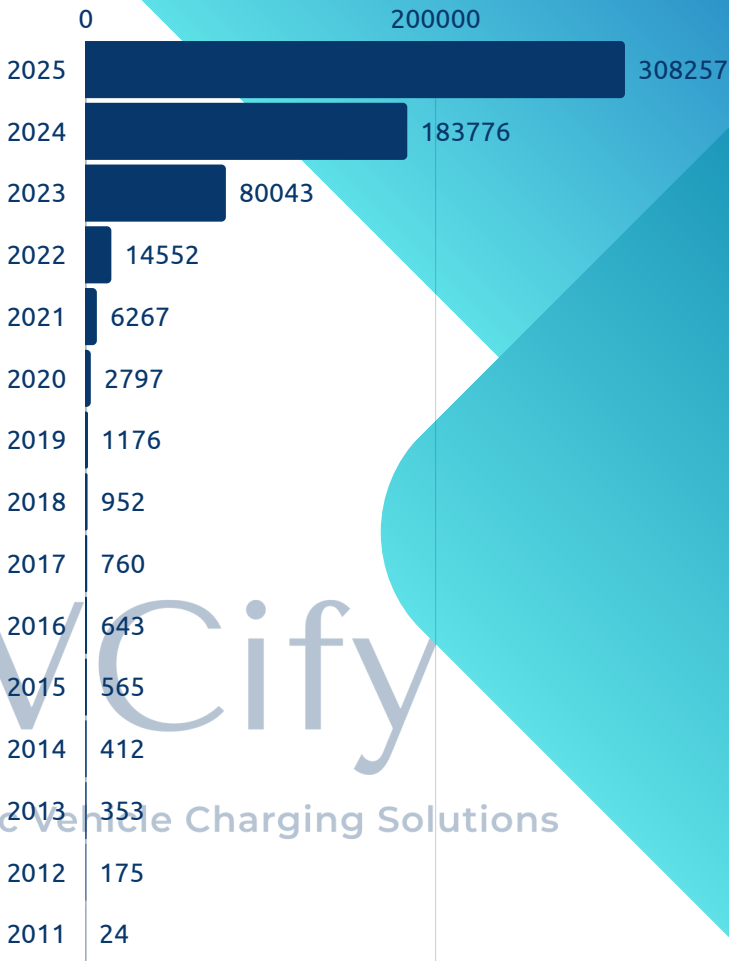
Number of EVs per Total Socket

15,20

Number of EVs
per AC Socket

20,3

Number of EVs
per DC Socket



Number of EVs by Years

August				January-August			
2024		2025		2024		2025	
Number	Market Share%	Number	Market Share%	Number	Market Share%	Number	Market Share%
5.807	8,8	18.776	19,8	57.034	8,3	124.533	17,6

Benchmark Number of EVs by Years

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



Number of EVs in Türkiye

ODMD-Automotive Distributors & Mobility Association



322.723

Total Number of EVs

132.346

January-September
2025 EVs

12.706

September 2025
EVs

9,8

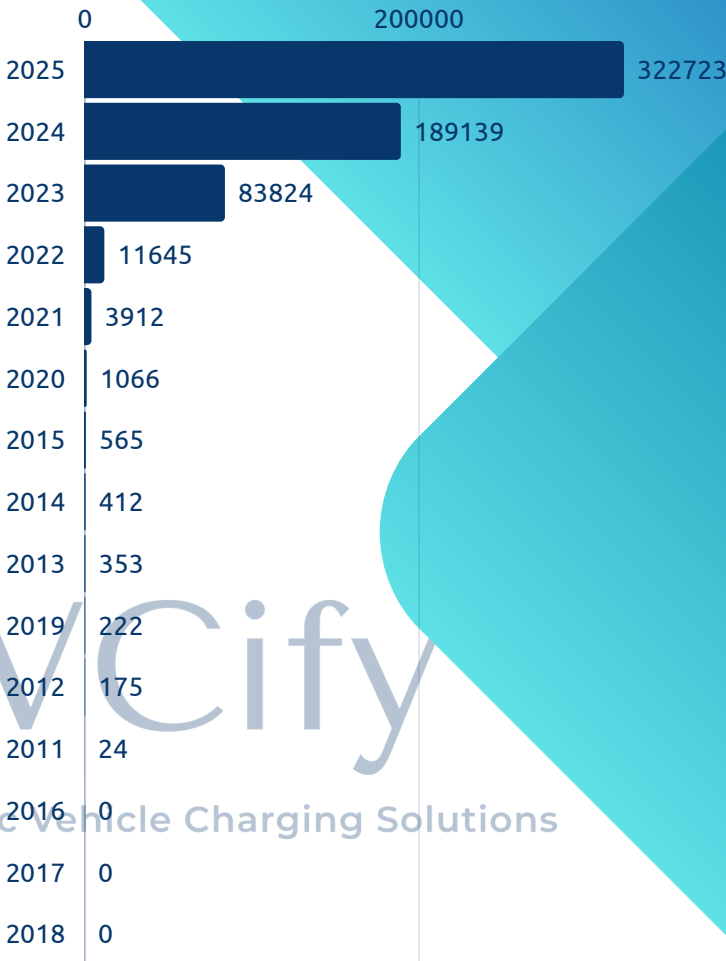
Number of EVs per Total Socket

15,9

Number of EVs
per AC Socket

21,1

Number of EVs
per DC Socket



Number of EVs by Years

September				January-September			
2024		2025		2024		2025	
Number	Market Share%	Number	Market Share%	Number	Market Share%	Number	Market Share%
9.548	13,7	12.706	14,4	56.580	8,4	132.346	17,8

Benchmark Number of EVs by Years

Source:
1. ODMD-Automotive Distributors & Mobility Association



Charging Service Data

August 2025 (AC vs DC)



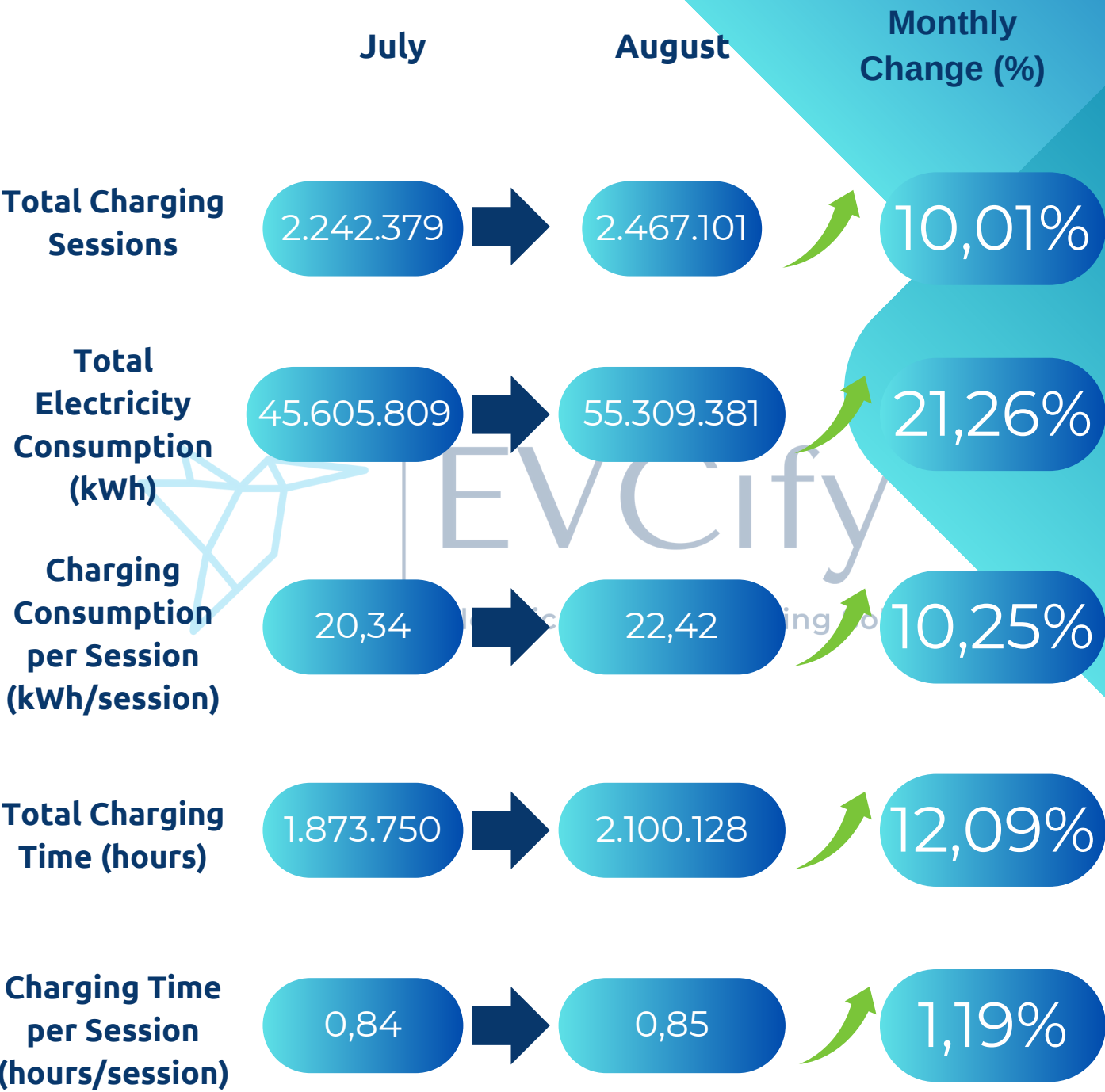
Metric	AC	DC	Share (AC)	Share (DC)
Total Electricity Consumption (kWh)	6,708,682	48,600,699	12.13%	87.87%
Total Charging Time (minutes)	61,892,249	64,121,477	49.12%	50.88%
Total Charging Sessions	732,195	1,734,906	29.68%	70.32%
Consumption per Session (kWh/session)	9.16	28.01	–	–
Time per Session (minutes/session)	84.53	36.96	–	–

Source:
1. EMRA, Energy Market Regulatory Authority



Electricity Consumption (MWh)

Monthly, 2025



Monthly Charging Sessions and Consumption Comparison

Source:
1. EMRA, Energy Market Regulatory Authority

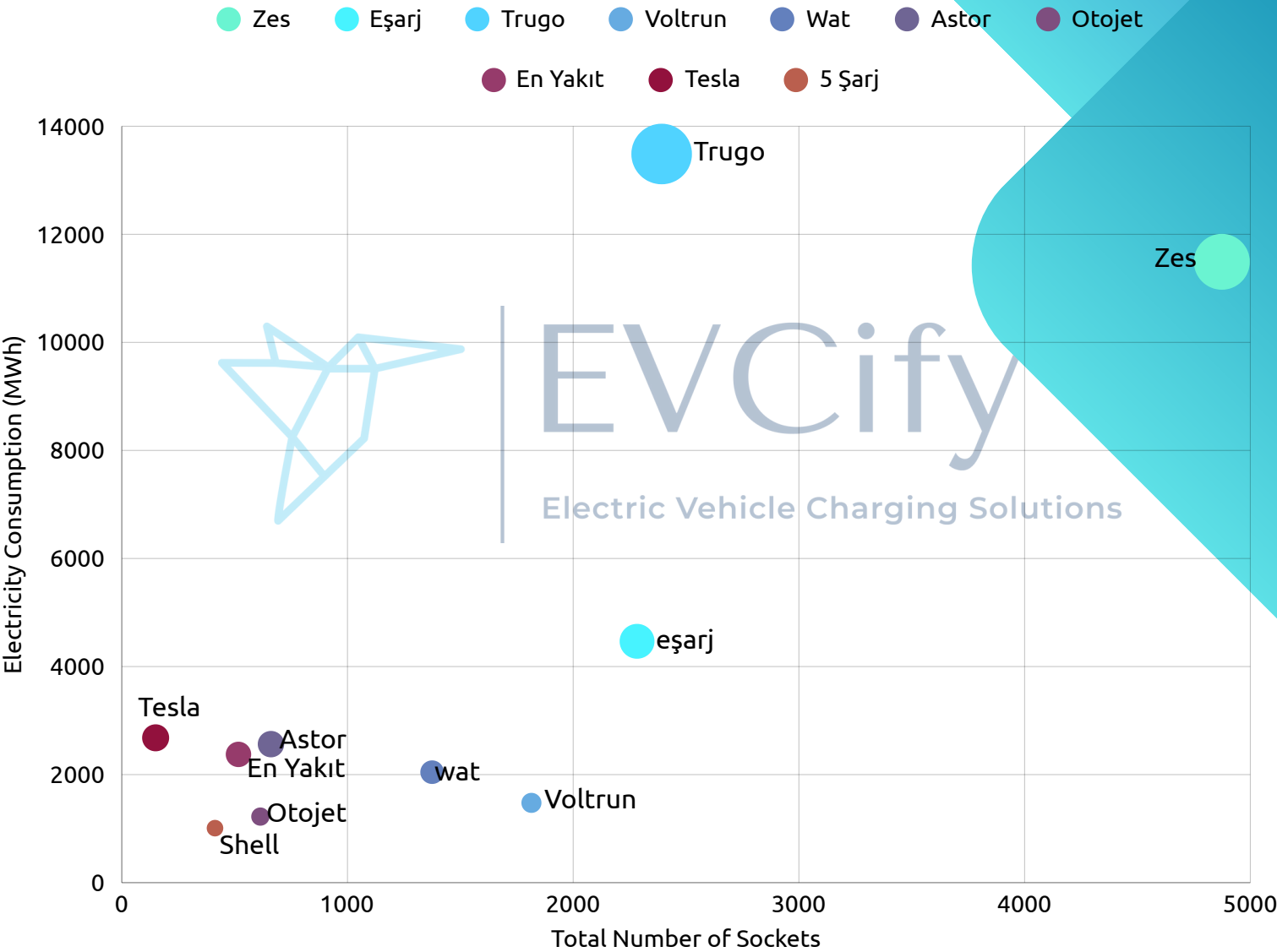


Electricity Consumption (MWh)

Scatter Plot Graph for August



Number of Sockets vs. Electricity Consumption (MWh)



Source:
1. EMRA, Energy Market Regulatory Authority



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

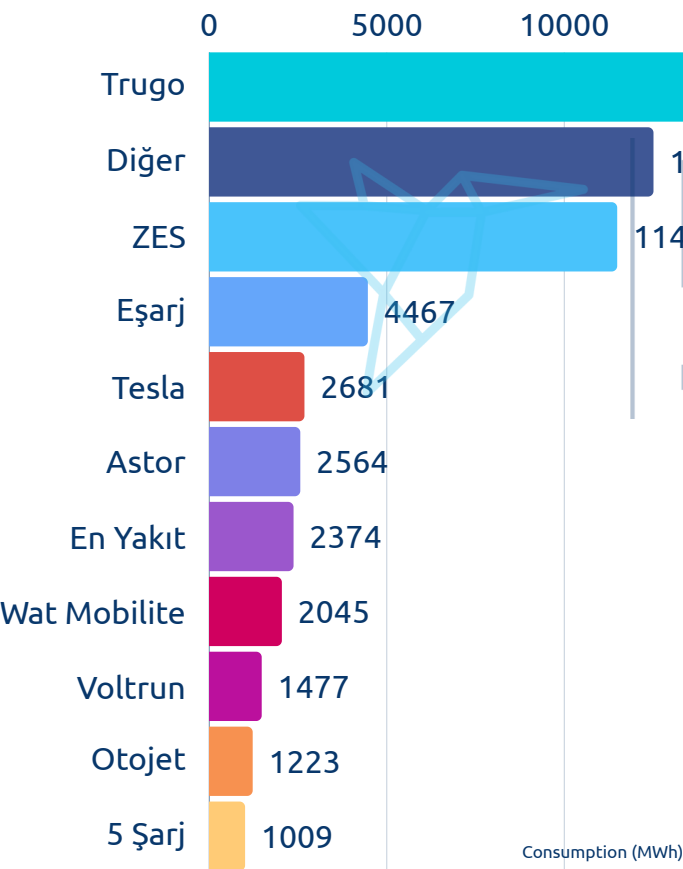
for August

42.817 MWh

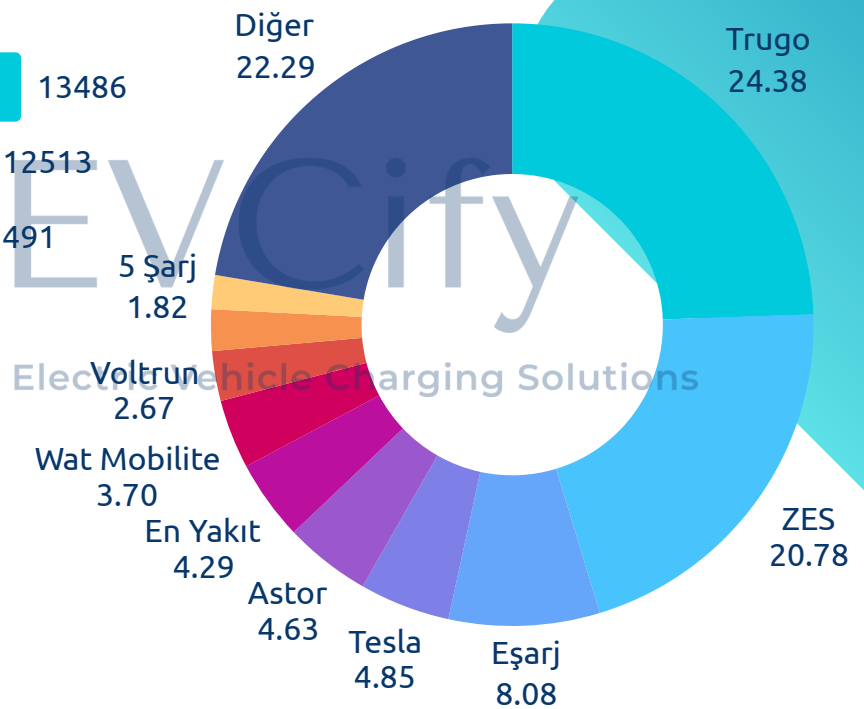
Top 10 CPOs
Total Consumption (MWh)

77,41%

Top 10 CPOs
Total Consumption Share



Total Electricity Consumption (MWh)
by CPOs



Total Consumption Share (%)
by CPOs



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

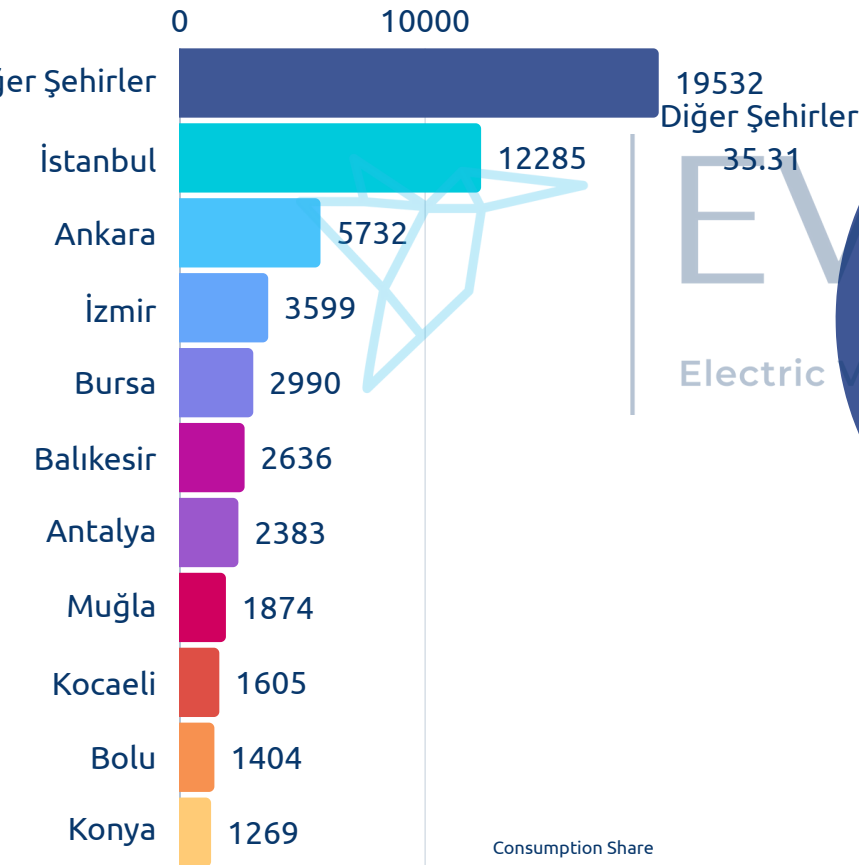
for July

35.777 MWh

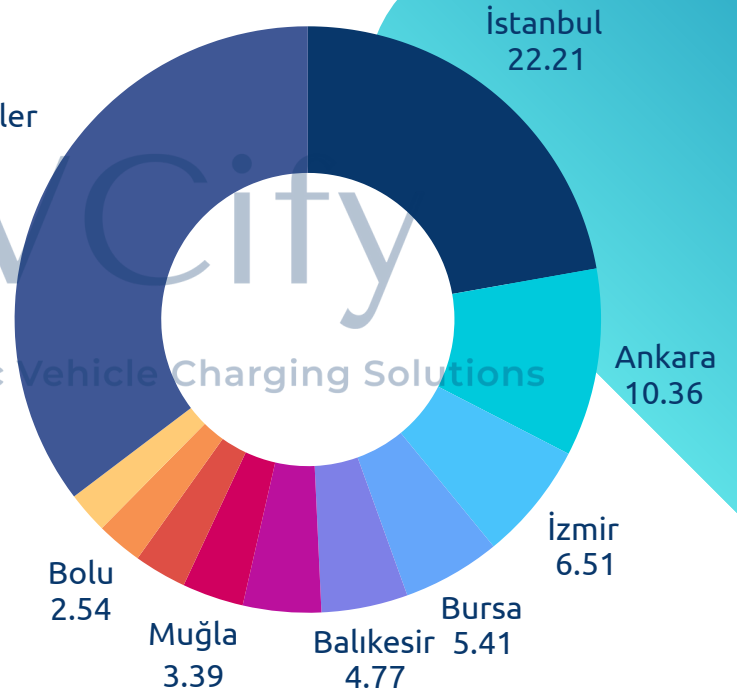
Top 10 Cities
Total Consumption (MWh)

64,69%

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 August, 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	20,3
August	2.467.101	55.309.381	22,42

Source:
1. EMRA, Energy Market Regulatory Authority



Monthly Charging Service Data

Between January and August, 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

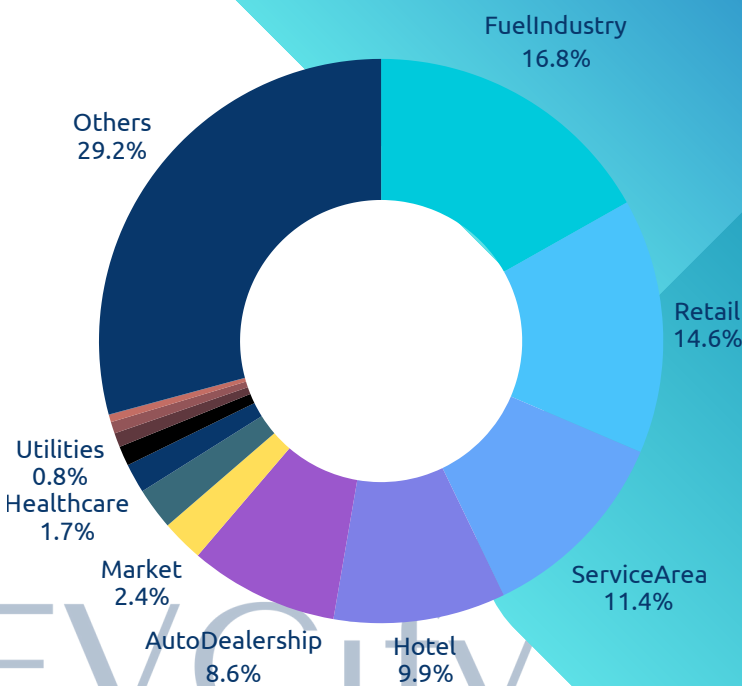
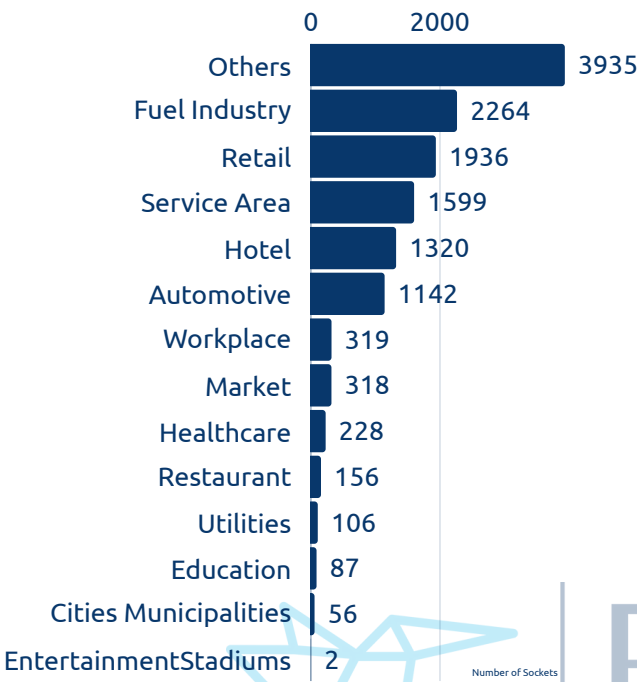
Source:
1. EMRA, Energy Market Regulatory Authority



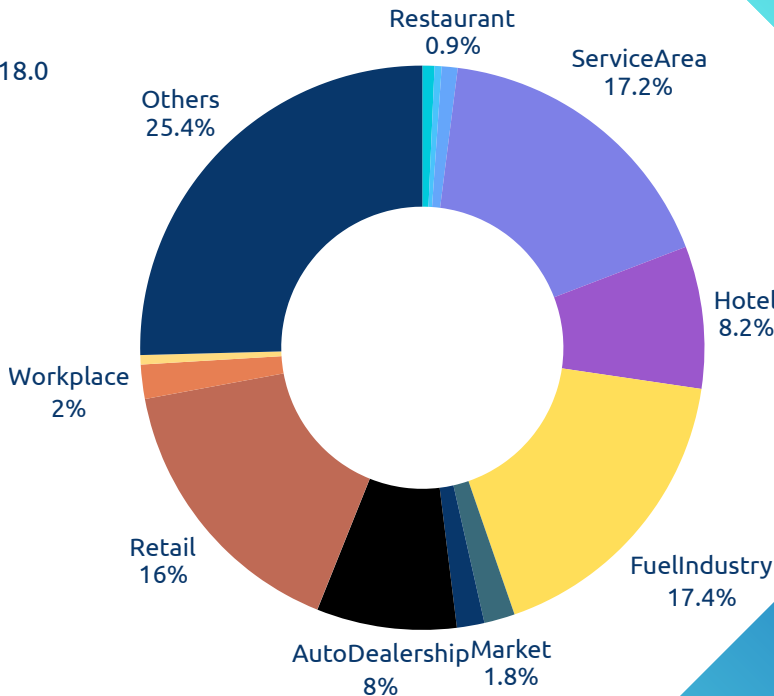
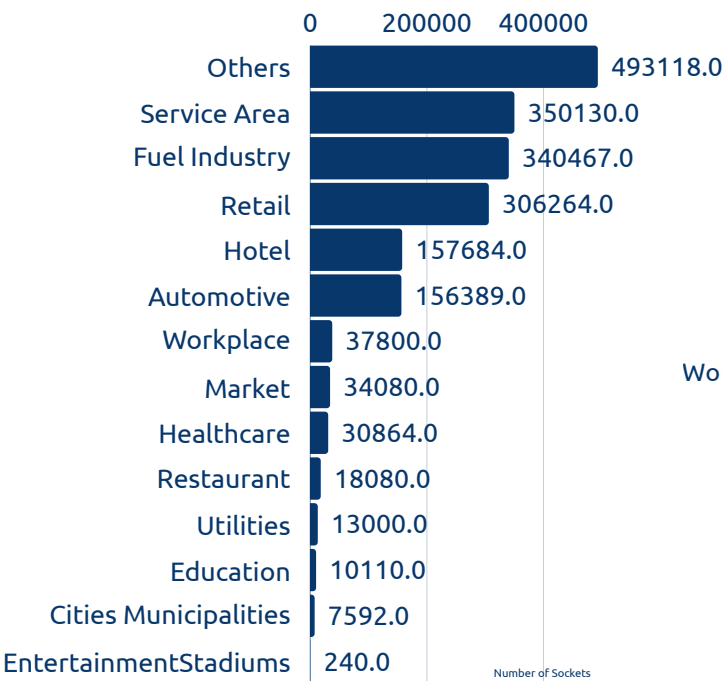
Installed DC Sockets By Sectors



Not updated this month, data is for June



Number of Sockets
Electric Vehicle Charging Solutions

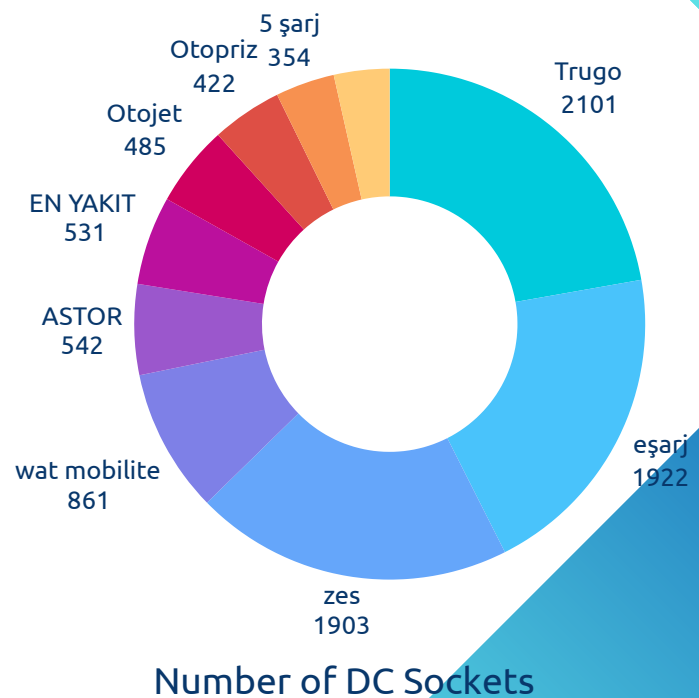
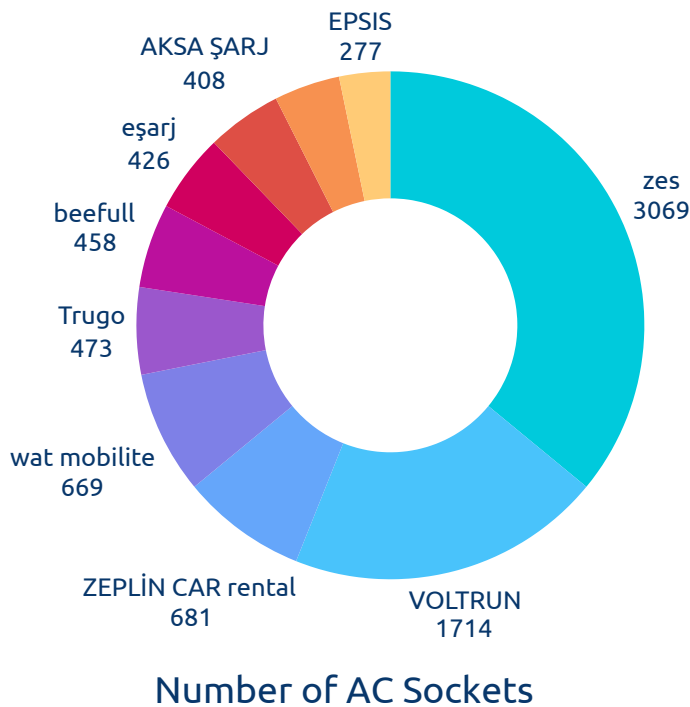
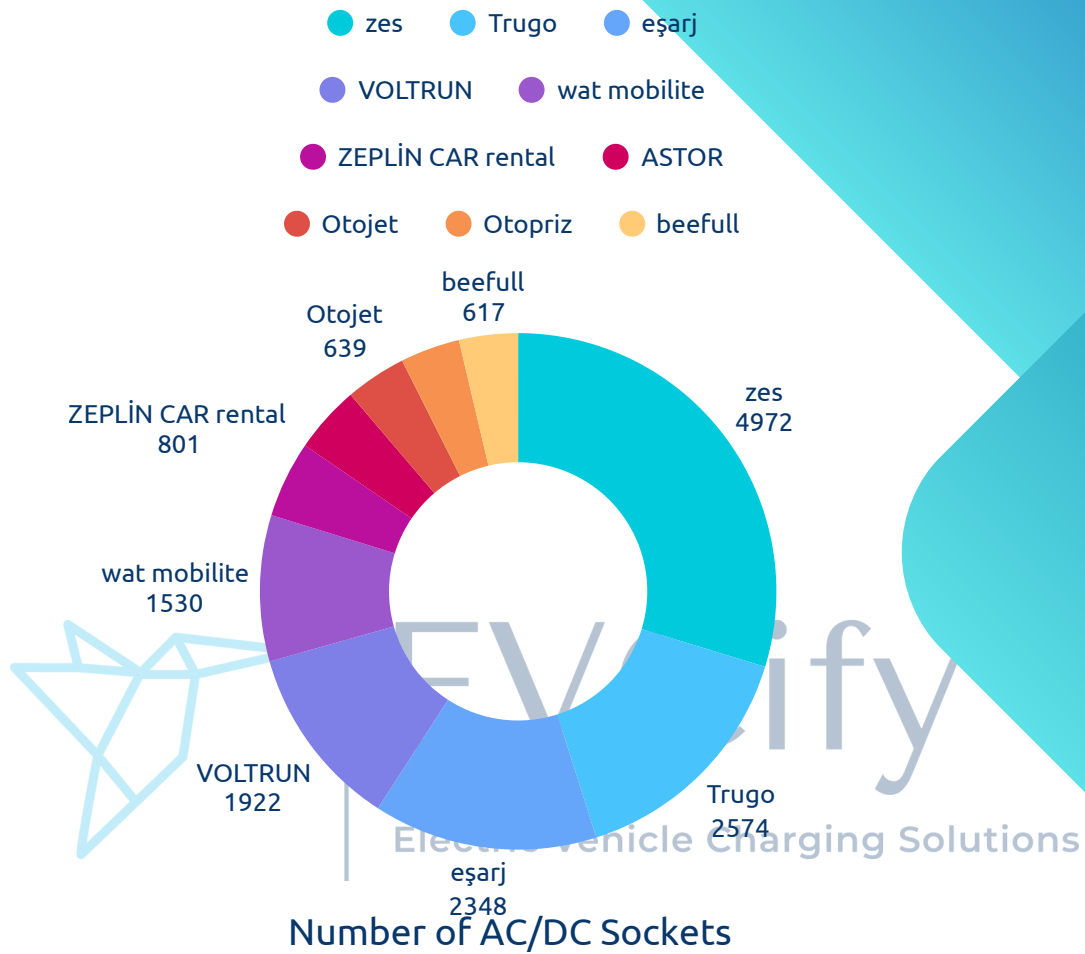


Output Power of Sockets (kW)

Source:
1. EMRA, Energy Market Regulatory Authority



Top 10 CPOs with the Highest Number of Sockets



Source:

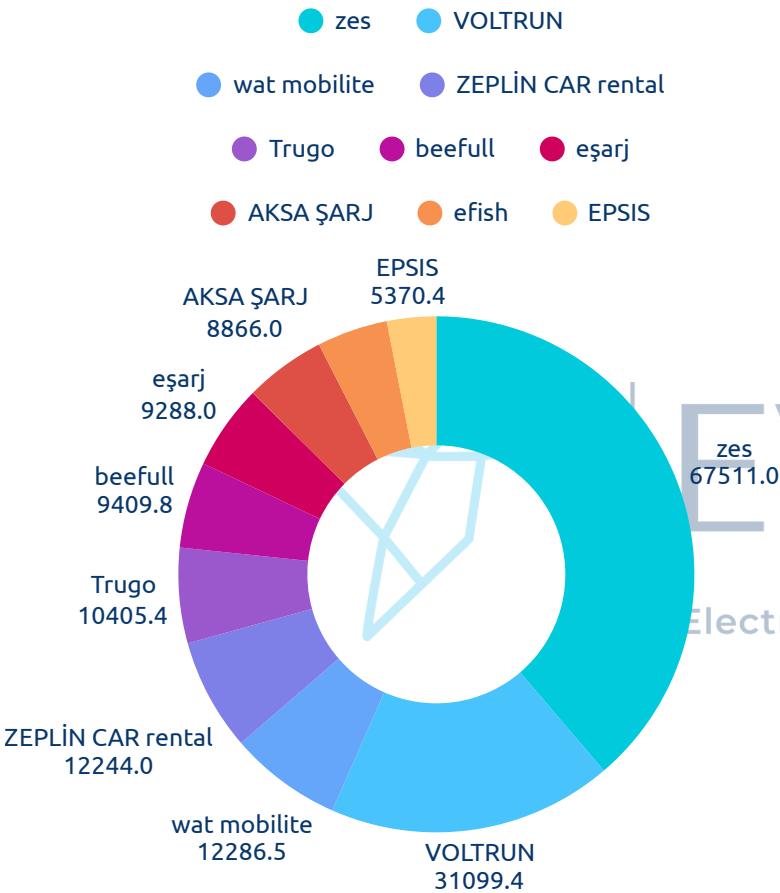
1. EMRA, Energy Market Regulatory Authority



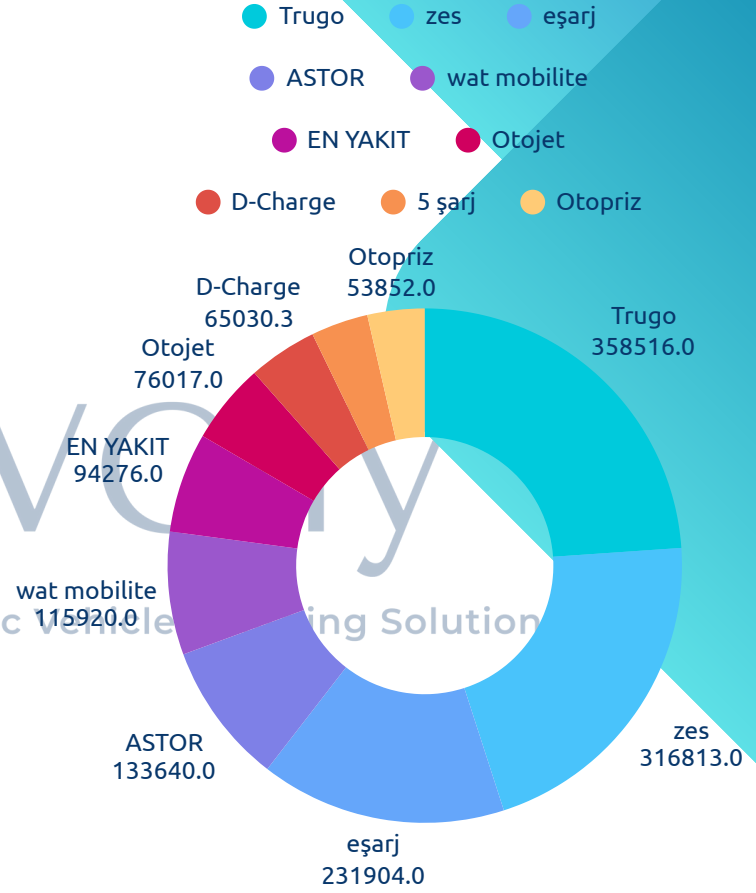
<https://evcify.com>



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)

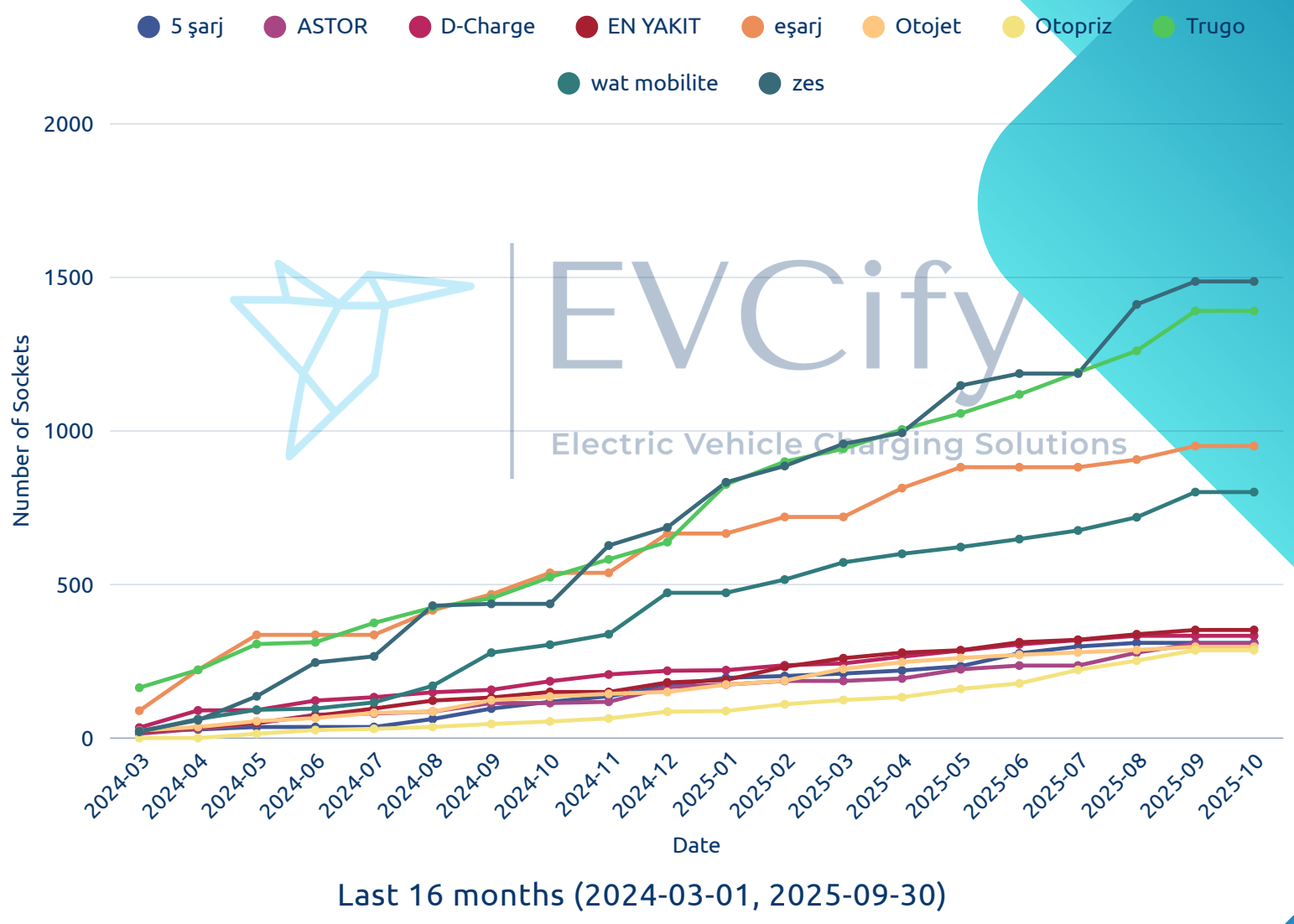
Source:
1. EMRA, Energy Market Regulatory Authority



<https://evcify.com>



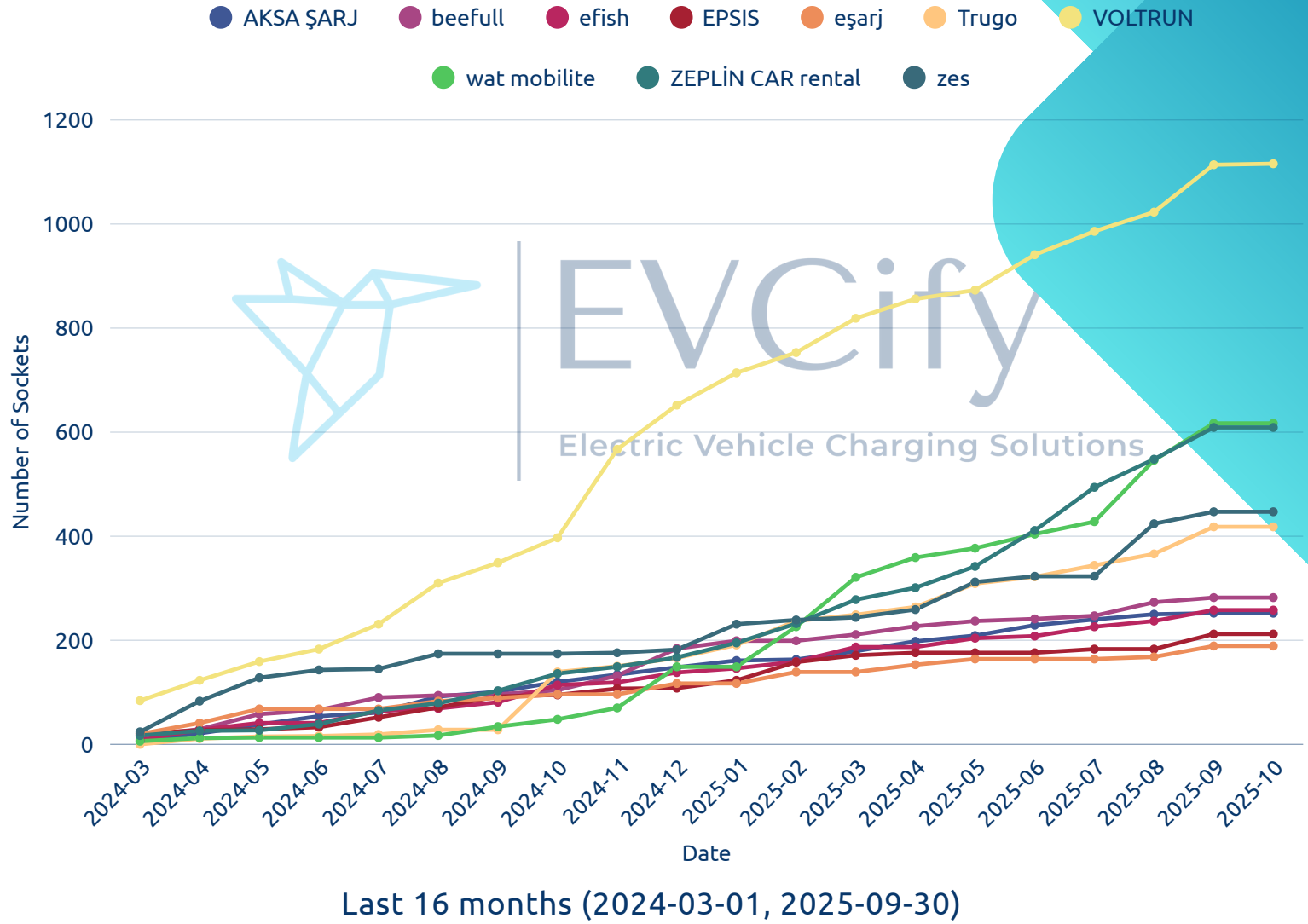
DC Socket Investments of Leader 10 CPOs



Source:
1. EMRA, Energy Market Regulatory Authority



AC Socket Investments of Leader 10 CPOs



Source:

1. EMRA, Energy Market Regulatory Authority



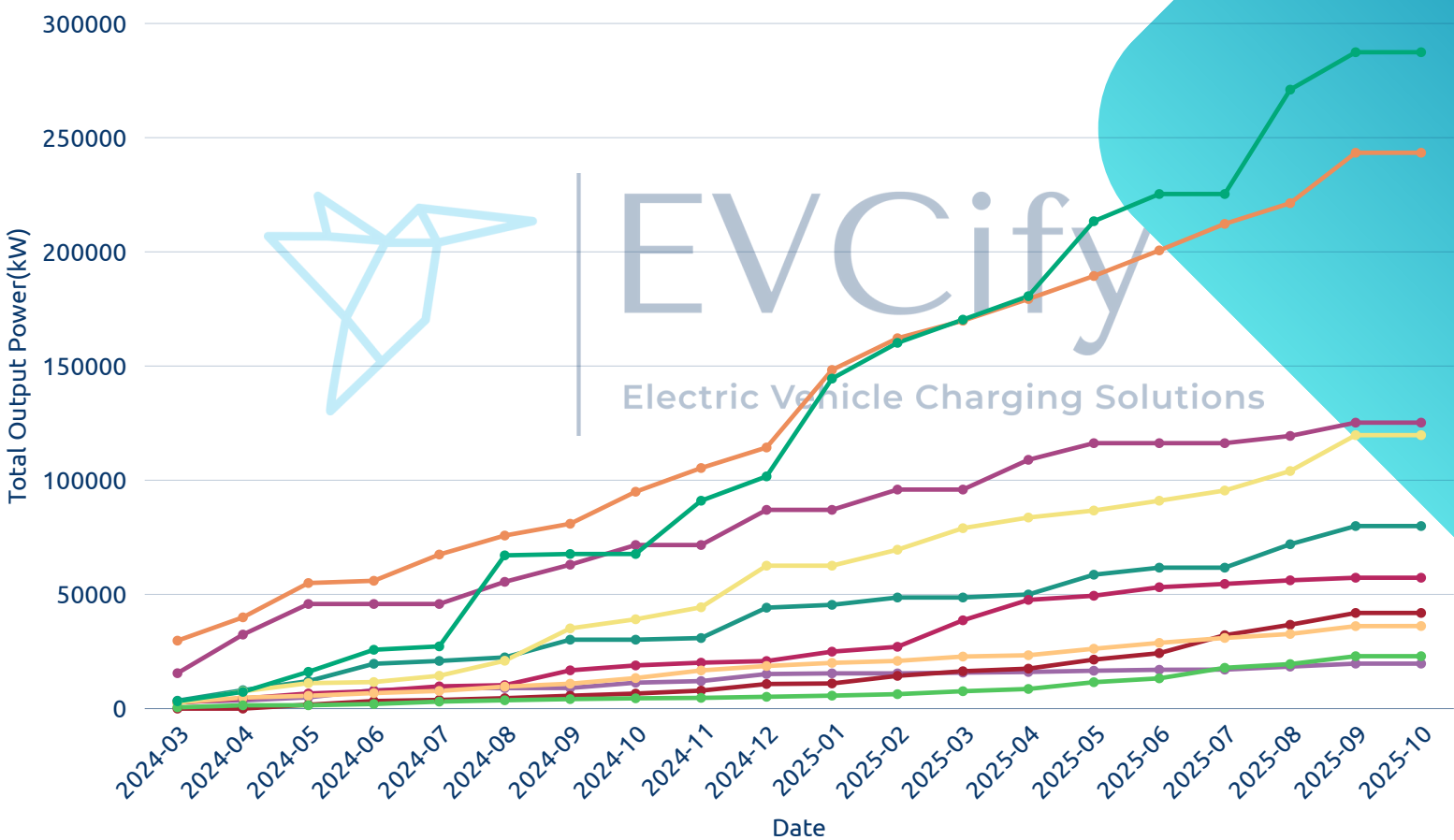
<https://evcity.com>



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



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



Last 16 months (2024-03-01, 2025-09-30)

Source:

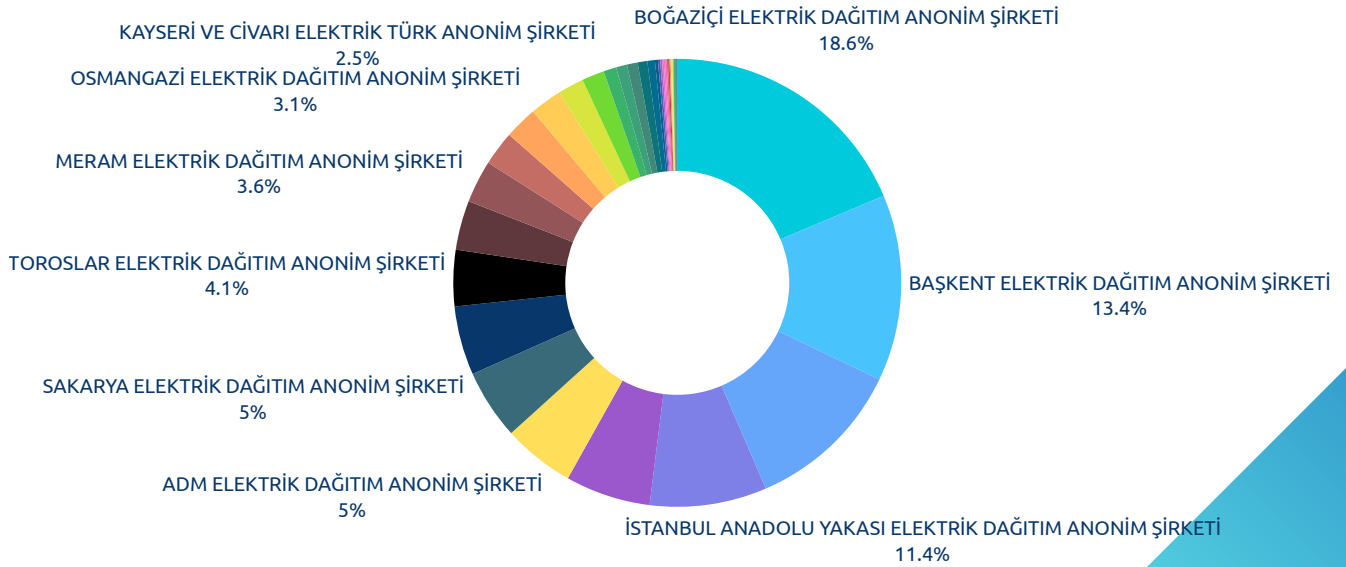
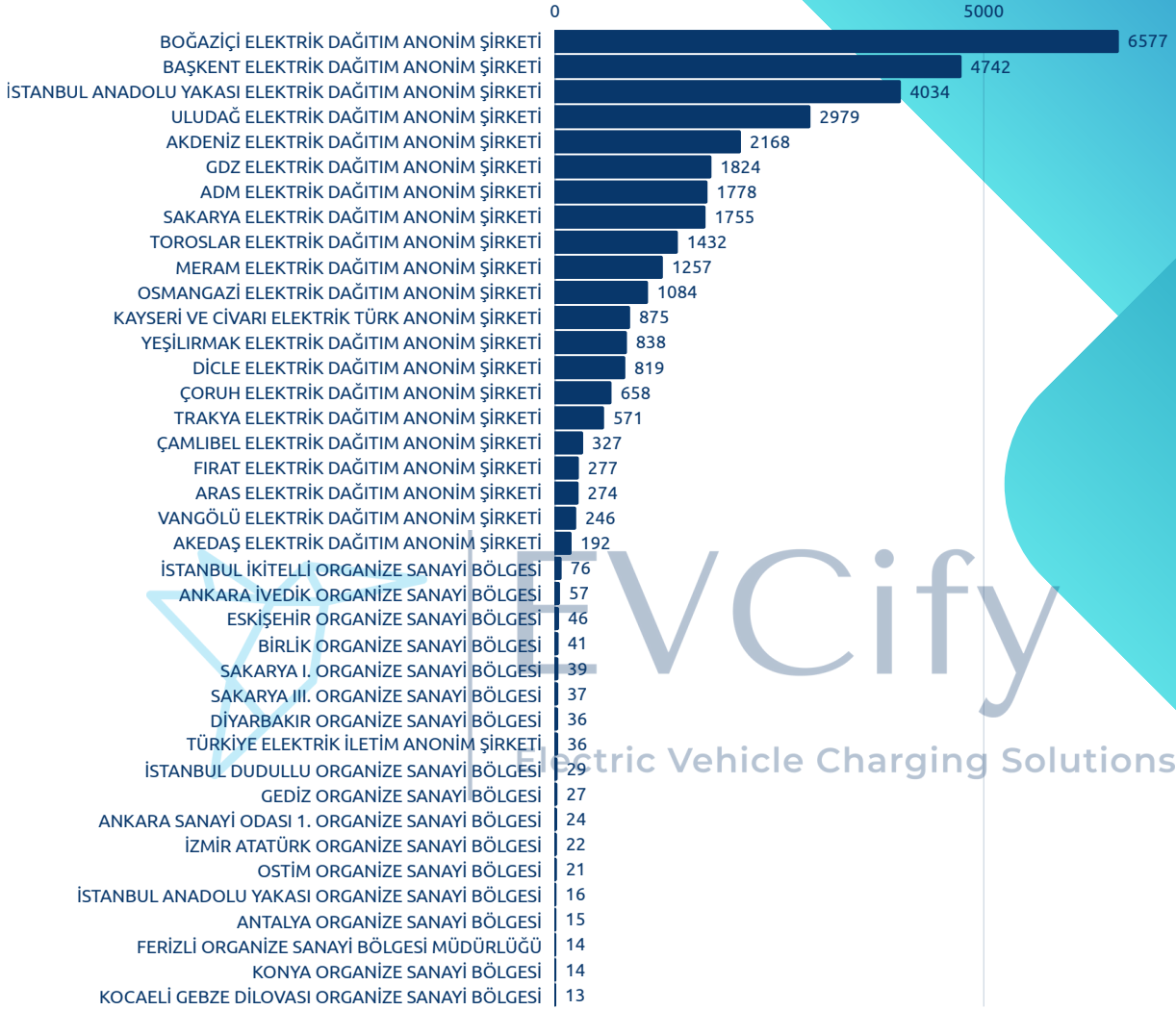
1. EMRA, Energy Market Regulatory Authority



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Number of Sockets By Electricity Energy Distribution Regions



Number of Sockets

Source:

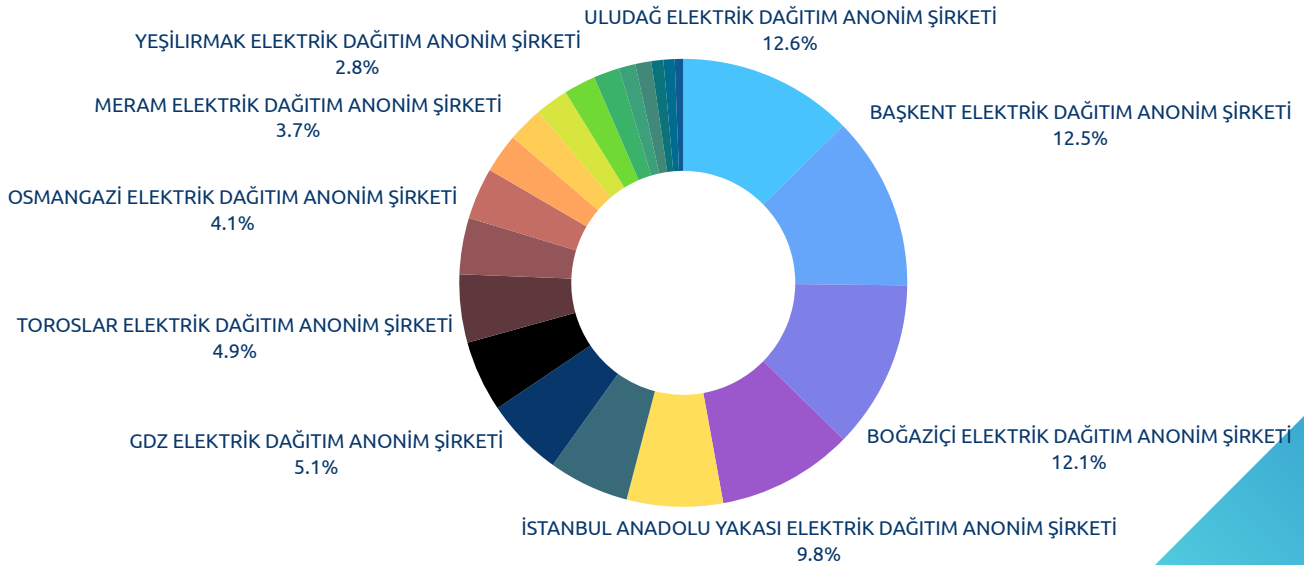
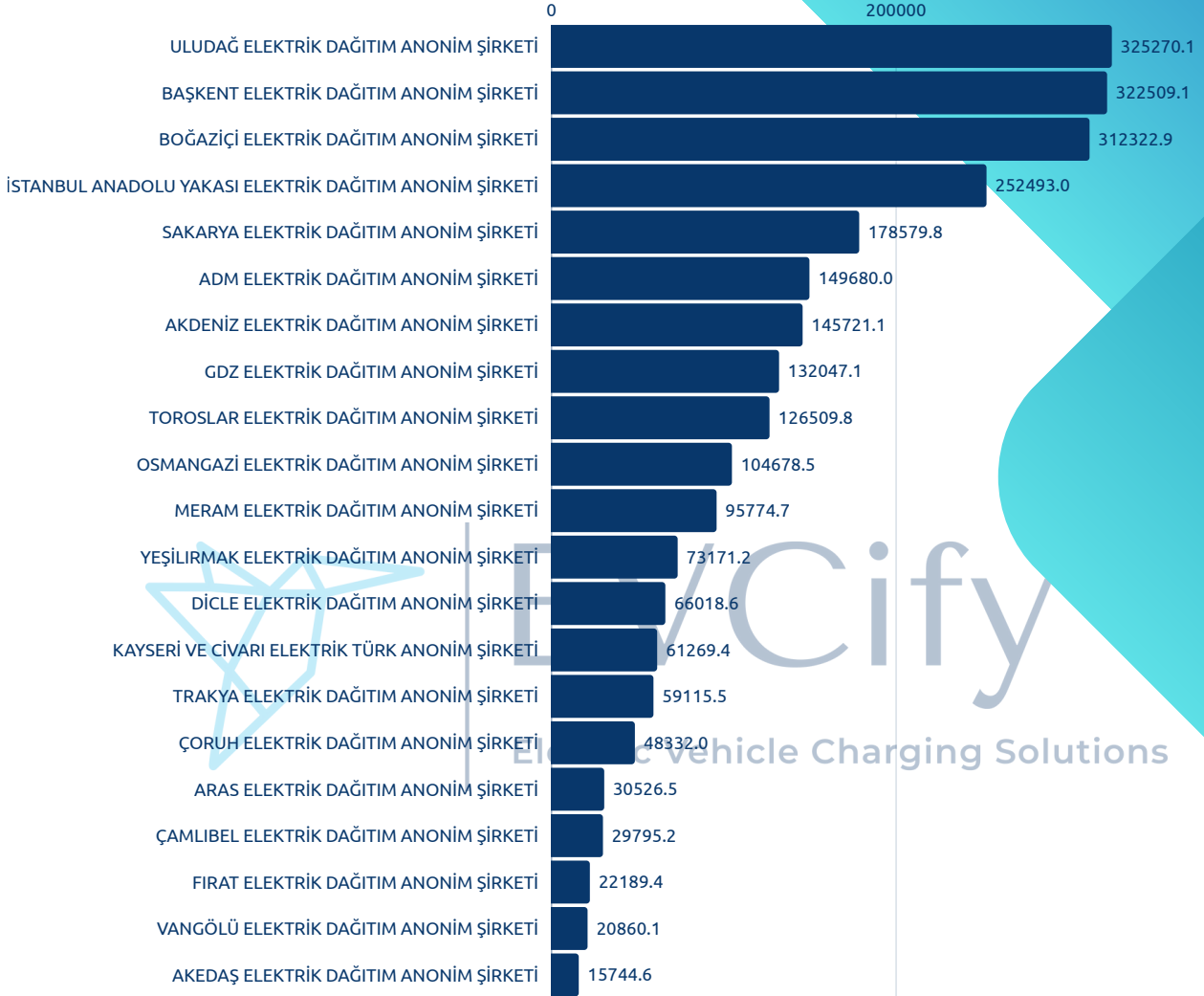
1. EMRA, Energy Market Regulatory Authority



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



Output Power of Sockets (kW)

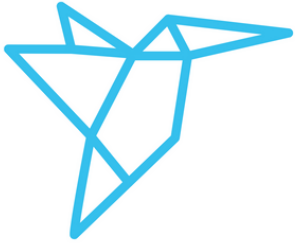
Source:

1. EMRA, Energy Market Regulatory Authority



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