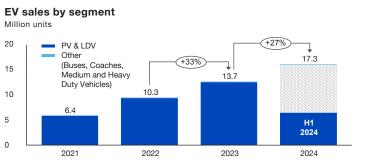
QUARTERLY COBALT MARKET UPDATE OVERVIEW 2024 Q3



EV MARKET: GLOBAL SALES CONTINUE TO CLIMB



Source: Benchmark, Rho Motion. Note: PV - Passenger Vehicle, LDV - Light Duty Vehicle

The first half of 2024 saw weaker than expected EV sales, although some slowdown in growth is to be expected given historical unsustainable growth rates. EV sales in H1 reached 7 million units, a year-on-year increase of 21% – even this weaker than expected growth remained in the double digits. The second quarter saw strong improvements on Q1, namely in China, where quarterly EV penetration rates surpassed 40% for the first time, with a YoY increase in unit sales of 31% in H1.

Outside China, growth has been lacklustre, particularly in some European countries, resulting in H1 growth of 2% in the region. The EU has experienced a YoY decline in sales for 2 months in 2024, albeit with a recent recovery. Sales grew by 10% in North America in H1.

Top 10 EV models sold in the EU, 2024 year to date

Chemistry

NCM 811

NCM 622

NCM 712

NCM 811

NCM 712

NCM 523

NCM 712

NCM 712

NCM 622

NCM 622

Туре

BEV

BEV

BEV

BEV

BFV

PHEV

BEV

BFV

BEV

BEV

EV MARKET: COBALT-CONTAINING CHEMISTRIES REMAIN KEY IN THE US AND EU

Rank	Model	Chemistry	Туре
1	Tesla Model Y	NCA	BEV
2	Tesla Model 3	NCA	BEV
3	Jeep Wrangler 4xe	NCM 523	PHEV
4	Tesla Model 3	LFP	BEV
5	Hyundai Ioniq 5	NCM 811	BEV
6	Rivian R1S	NCA	BEV
7	Ford Mustang Mach-E	NCM 712	BEV
8	Jeep Grand Cherokee 4xe	NCM 523	PHEV
9	Toyota RAV4	NCM 622	PHEV
10	Tesla Cybertruck	NCM 811	BEV Ser

Source: Benchmark, Rho Motion. Note: PV - Passenger Vehicle, LDV - Light Duty Vehicle

POLICY: PROTECTIONISM GROWS AGAVINST CHINA-MADE EVS

Measures: 100% import tax on Chinese EVs.

In H1 2024, less than 0.2% of EVs sold in the USA were made in China. The share of Chinese-made EVs sold in the USA is declining from a high of 1.2% in 2022. Polestar is the only major marque that will be significantly impacted by the measures. Prior to the tariff's announcement, Polestar had already announced that it would manufacture the Polestar 3 in South Carolina from mid-2024.



Rank

1

3

4

5

6

7

8

9

10

Model

Tesla Model Y

Audi Q4 e-tron

Tesla Model 3

Skoda Enyaq iV

Volkswagen ID.3

Volkswagen ID.4

Volvo XC60

MG-4

BMW iX1

Volvo EX30

Measures: Implemented provisional countervailing tariffs on Chinese-made BEVs. The current 10% import tariff rises to 47.6%, 30,8%, 29.9% or 27.4%, depending on the OEM.

While a significant proportion of Chinese-made BEVs sold in Europe remain Teslas, the presence of Chinese OEMs in Europe is growing. With the introduction of tariffs, many Chinese OEMs (BYD, Leapmotor, Chery, Dongfeng, SAIC, Zeekr, and Xiaopeng) are looking to build out EV capacity in Europe as they continue to target Europe as a regionwithin which to grow.

MARKET BALANCE: INCREASED OUTPUT FROM KISANFU AND WEAKER EV DEMAND WILL LEAVE THE MARKET IN LARGER OVERSUPPLY IN 2024

