



Business Continuity
Software

0 COMMENTS

Like changing a gas bottle in a BBQ: EV battery swap technology charges on

NOVEMBER 8, 2022 · 0 COMMENTS · 2 MINUTE READ · RIZ AKHTAR



IMAGE: NIO

- SHARE 0
- TWEET 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0

battery swap station.

Battery swapping is like changing over a bottle for the barbeque but for EV batteries. Nio has been persisting with the battery swap technology in its home market of China. Now, Nio has been able to hit a new milestone with its battery swap stations according to reports on [Nio's official social media channel](#).

The pace of the battery swap stations in its home market is incredible. Last November, Nio had just 600 stations in China. A year later, it's doubled that to 1,200.

For some context, Australia has less than 400 DC fast charging sites as of November 2022, although it should be noted one company, Janus, is designing heavy duty truck conversions that feature battery swap technologies.

All-in-one 3D Radar Camera

Built-in AI Deep Learning LPR AI
Achieve Vehicle Feature Recogn

Milesight Technology [Le](#)

Nio's EVs are designed to have battery swaps and the whole process can be done in under 7 minutes. This was demonstrated by YouTuber [Bjørn Nyland](#), in Norway, where Nio has also started to roll its battery swap stations out too. Bjørn did a battery swap test on the Nio ES8 SUV with a 100 kWh battery pack.

Nio ES8 battery swap at Vestby, Norway

The company has recently announced its arrival in other left-hand drive European markets such as Germany.

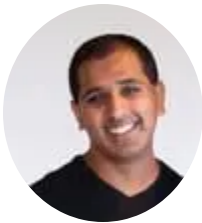
To date, the company has provided over 14 million battery swap services and currently averages 30,000 battery swaps a day according to their social media posts.

With the battery swap station rollout continuing, Nio plans on having more than 4,000 battery swap stations by the end of 2025. At least 1,000 of these will be in international markets outside of China.



It's great to see innovation in charging technologies just as we are seeing in improved battery technologies such as CATL's new Qilin batteries seen in the [Zeekr 009 MPV with 800 km of range](#).

Battery swapping isn't just a proof of concept, it's done today and at scale. With brands like Nio using these technologies and expanding into international markets, it can only be good for those looking at making the switch.



Riz Akhtar

Riz is the founder of [carloop](#) based in Melbourne, specialising in Australian EV data and trends. He is a mechanical engineer who spent the first 7 years of his career building transport infrastructure before starting carloop. He has a passion for cars, particularly EVs and wants to help reduce transport emissions in Australia. He currently drives a red Tesla Model 3.



If you enjoyed this article, make sure to share it on your favourite socials!

- SHARE 0
- TWEET 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0
- SHARE 0

Enter your post code

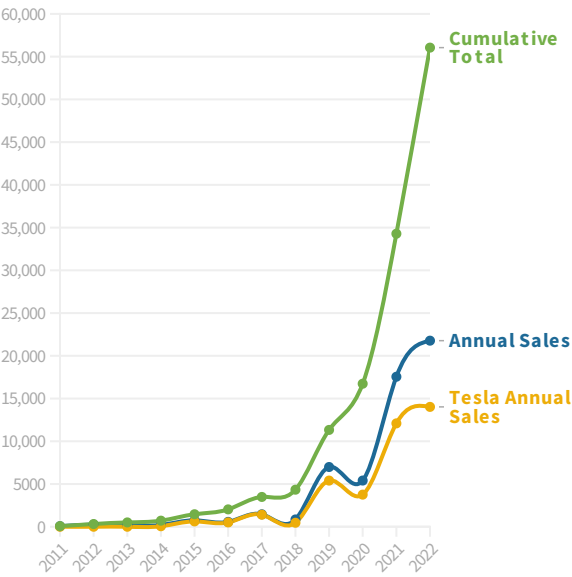
GET THE FREE DAILY NEWSLETTER

Enter Email

Subscribe 

☐ I agree to the Terms of Use

Electric Vehicle Uptake in Australia,
2011 - September 2022



Sources: National Transport Council, Electric Vehicle Council, Vfacts, Nissan, Tesla, Vedaprime shipping data

 A Flourish chart

Enter your post code



 **COTOLISE**
UP TO 50% OFF

TRENDING POSTS



Another sorry tale of broken EV chargers and unrealistic range expectations

POSTED ON NOVEMBER 2, 2022



This aspiring and persistent EV owner has installed the first kerb-side pop up charger

POSTED ON OCTOBER 31, 2022



First EV with over 800km range launched with new Qilin battery – and it's a people mover

Aust's only instant solar & battery comparator. Since 2008.

Enter your post code

COMPARE SOLAR &
BATTERY QUOTES



...and helps him to become Australia's second best selling EV brand in October.



POSTED ON NOVEMBER 4, 2022



EV EXPLAINERS



How to save thousands when installing an EV charger at home

POSTED ON JULY 15, 2022



Aust's only instant solar & battery comparator. Since 2008.

Enter your post code

COMPARE SOLAR & BATTERY QUOTES

 X



The top ten electric vehicle myths that need to be debunked

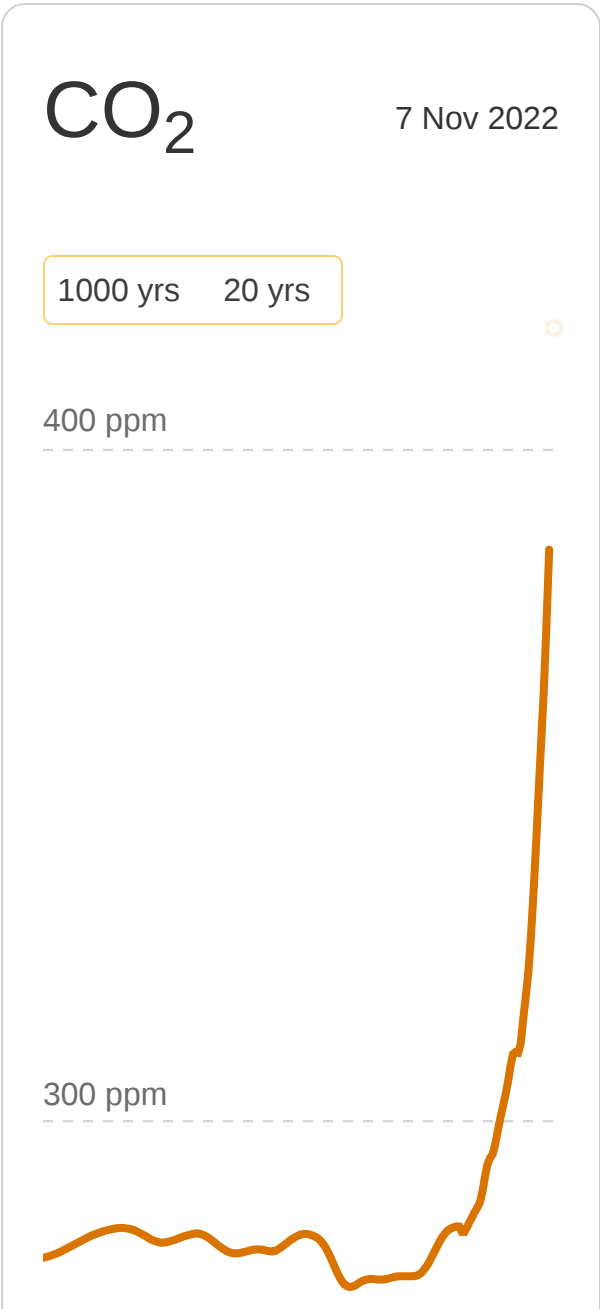
POSTED ON NOVEMBER 3, 2021



Which electric car delivers the best driving range for your dollar?

POSTED ON MAY 3, 2022

EMISSIONS COUNTER



Aust's only instant solar & battery comparator. Since 2008.

Enter your post code

COMPARE SOLAR & BATTERY QUOTES



7-DAY AVERAGE

IN LAST 2 Y

416.4 ppm



EV NEWS



EV EXPLAINERS

EV CONFERENCE

EV MODELS

EV SALES

ROAD TRIPS

MULTIMEDIA



GET THE FREE DAILY NEWSLETTER

Enter Email

Subscribe 

☐ I agree to the [Terms of Use](#)

FOLLOW THE DRIVEN ON SOCIALS



Australia's most-trusted and well-read electric vehicle news site

[ABOUT THE DRIVEN](#)

[GET IN TOUCH](#)

[ADVERTISE](#)

[TERMS OF USE](#)

[PRIVACY POLICY](#)

Aust's only instant solar & battery
comparator. Since 2008.

Enter your post code

**COMPARE SOLAR &
BATTERY QUOTES**





Aust's only instant solar & battery
comparator. Since 2008.

Enter your post code

COMPARE SOLAR &
BATTERY QUOTES

