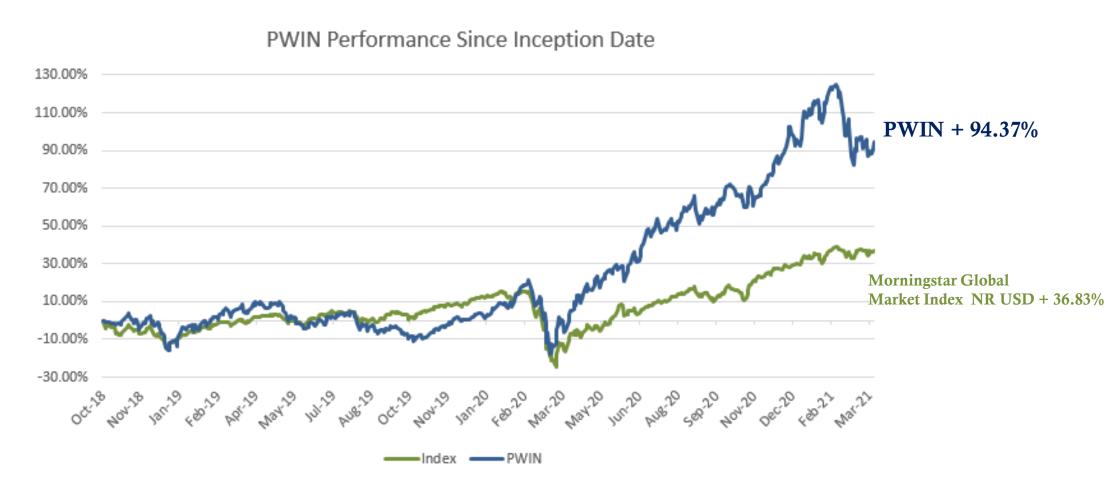


PWIN Update

Investment News and Top Holdings

April 2021

PWIN's performance since inception date



From 8th October 2018 (Inception date) to 31st March 2021

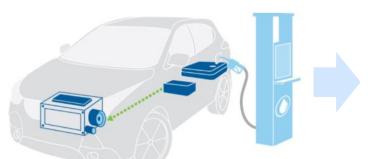


Investment news

Our investment and research team's analysis are being incorporated into PWIN & PWINRMF's investments

Electric Vehicle Technology – All need BATTERIES

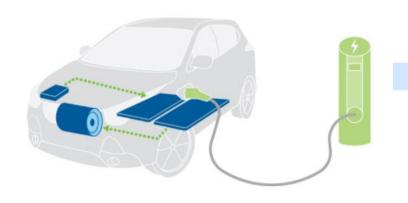
Hybrid Electric Vehicle (HEV)



Combustion engine + Electric motor and batteries

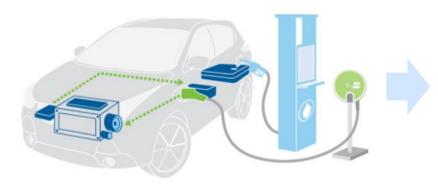
*Batteries are not plugged in to charge but charged by the engine

Battery Electric Vehicle (BEV)



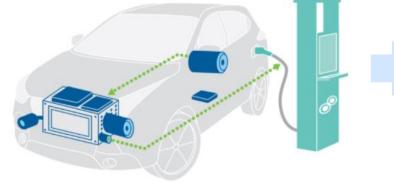
Electric-only – larger <u>batteries</u> than PHEV

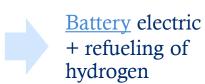
Plug-in Hybrid Electric Vehicle (PHEV)



Both gas-only and electric-only (batteries)

Fuel Cell Electric Vehicle (FCEV)





The supply chain of EV power unit



Hundreds of million of new EVs to hit public roads will be powered by batteries

- Two key EV batteries commodities Lithium and Cobalt
- In 2017, 40% of Lithium and 25% of cobalt demand came from consumer electronics
- Expect to see a 3x increase in demand for Lithium and Cobalt between 2017 and 2025 according to McKinsey

Cobalt and Lithium Production

*Data withheld

Both cobalt and lithium has high geographic concentration in production & China is one major producer





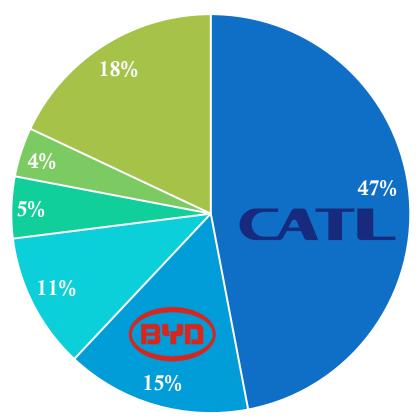
In 2017, 32 countries accounted for all global production of key NMC materials

- 43,000 tons lithium: 44% Australia 34% Chile, Argentina 13%
- 1.2 million tons natural graphite: 67% China, 13% India, Brazil 8%
- 2.1 million tons nickel: 11% Philippines, 10% Canada, 9% Russia, 9% Australia
- 16 million tons manganese: 33% South Africa, 16% China, 14% Australia
- 110,000 tons cobalt: 59% Democratic Republic of Congo, 5% Russia, 5% Australia



China EV batteries market

China EV batteries market



China's battery shipments accounted for 61.7% of the world in 2019

- CATL, a Chinese company, is the world's no.1 battery company accounting for over 47% market share in China and over 32% of the global market share
- Both **PWIN** and **P-CGREEN** invests in CATL and BYD

□ CATL □BYD □LG Energy Solution □ CALB □ Gotion □ Other

Drivers for batteries demand

Government Policies



- U.S. energy and economic policy core elements include supporting EVs
- Biden \$2.2 trillion infrastructure policy details include **\$174 billion** investment for the EV market
- Point-of-sale rebates, tax incentives for American-made EVs and funding for 500,000 charging stations







CHINA PURE ELECTRIC VEHICLE SUBSIDIES 2020-2021 (by vehicle driving range)		
500 7000	300-400 km	≥400 km
2021	13,000 yuan	18,000 yuan
2020	16,200 yuan	22,500 yuan
Source: Ministry of Finance of the People'	s Republic of China, compiled by Fastmarkets	

 Subsidies by Chinese government for purchasing Chinese-made EVs for two more years to 2022 (the original expiry date: Dec 31, 2020)



"Since 2017, China has grown its public fast-charging network to over 309,000 public fast-charging plugs (about One for every 12 EVs in the country)

Chinese government aggressive policies

- Permit for all public charging stations to be on **industrial** electricity rates and not the commercial electricity rates which is more expensive
- Offer subsidies as high as 30 percent of the installation costs for charging stations installed on the provincial and municipal levels

Results

In **2019**,

public charging stations increased at a rate of 17,000 plugs per month.

In **2020**,

Total number of public charging stations reached 807,000 (309,000 were fastcharging plugs)



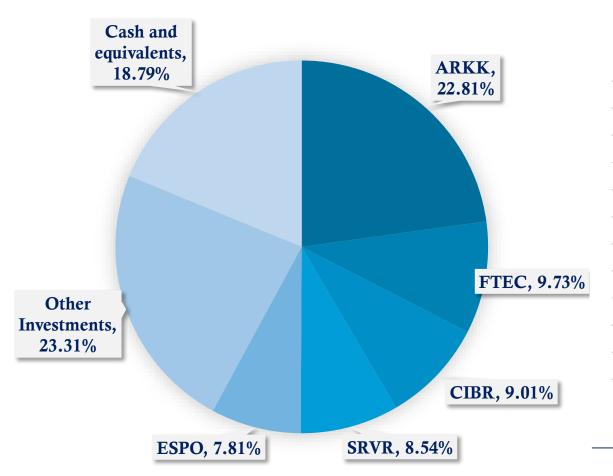


U.S. long road ahead to install 500,00 new EV charging stations, which is five times the size of the national network now

- ➤ AlixPartners estimates \$50 billion investment will be needed to build charging stations large enough to accommodate the growth of EVs by 2030
- Costs for 30–50 kW charging plugs equipment in the U.S.: between \$600,000 to \$1.1 whereas in China the ENTIRE installation cost only approx. \$312,000 before subsidies

Top Holdings

PWIN Top holdings



No	Company	Weight(%)
1	TESLA INC	2.77
2	TELADOC HEALTH INC	1.94
3	APPLE INC	1.91
4	SQUARE INC - A	1.69
5	MICROSOFT CORP	1.56
6	NVIDIA CORP	1.42
7	AMERICAN TOWER CORP	1.36
8	CROWN CASTLE INTL CORP	1.36
9	ROKU INC	1.31
10	EQUINIX INC	1.29