China Cleantech Exports Data Methodology

Ember's China Cleantech Exports Data Explorer presents data from the General Administration of Customs of the People's Republic of China (GACC). Data is published under specific HS commodity codes, aggregated into six categories for the visualisations in the data tool. There is a further breakdown in the data download giving the sub-categories of the individual HS codes as follows:

Solar PV

- Solar cells: 85414300 (only available from 2022 onwards)
- Solar modules: 85414200 (only available from 2022 onwards), 85414020 (pre-2022)
- Solar wafers: 38180019 (only available from 2022 onwards)

EVs

- Cars BEVs: 870380
- Cars PHEVS: 870360, 870370
- Two wheelers BEVs: 871160
- Buses BEVs: 870240
- Trucks BEVs: 870460
- Tractors BEVs: 870124

Batteries

- Lithium ion batteries: 850760
- Other batteries: 850710, 850720, 850730, 850750, 850780, 850790

Heating and cooling systems

- Heat pumps: 841861, 841581
- AC units: 841510, 841582, 841583

Grid

- Cables: 854460
- Transformers: 850421, 850422, 850423
- Inverters: 85044030

Wind

- Wind generating sets: 850231
- Wind nacelles: 85030030

Efforts have been made to capture export values of clean technologies as precisely as possible. In reality, export values would be larger if you included the additional parts and raw materials that form part of the wider clean tech value chain.

Data is updated monthly. If you notice an issue or have any suggestions, comments, or questions, please contact us at data@ember-energy.org.