

Li-ion batteries at a glance

Li-ions battery carbon footprint (production)

CO₂
600 Kg /kWh

ASIA

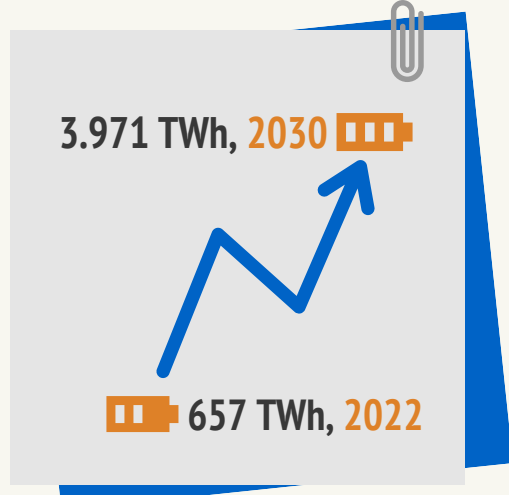
CO₂
385 Kg /kWh

USA

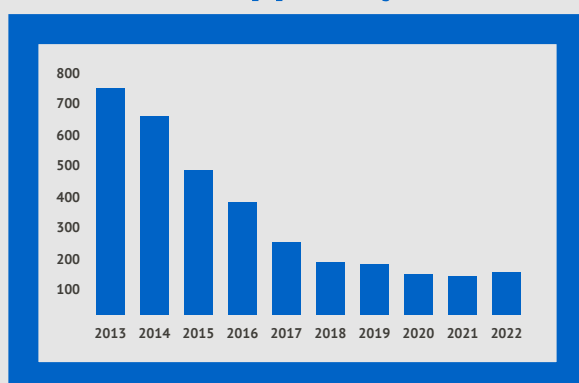
CO₂
300 Kg /kWh

EUROPE

Strong Li-Battery demand



In 10 Years price Li-batteries has dropped by >80%



60-70%

Impact of Raw Materials on total cost of standard Li-battery

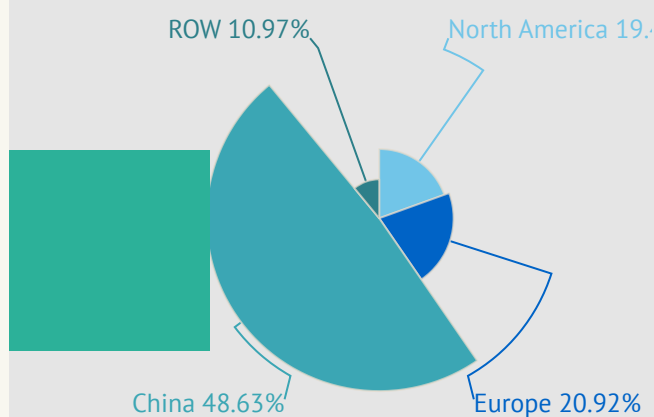
Recyclable metals in Li-batteries

27
Co
Cobalt
Recyclable up to 20%

28
Ni
Nickel
Recyclable up to 12%

3
Li
Lithium
Recyclable up to 10%

Demand Li-Batteries in 2030 China to dominate the market



CAPEX

ASIA
55 Mio. USD GWh

EUROPE
106 Mio. USD GWh