Table S1. Top 10 vehicle model in Shanghai in 2022

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle model | Energy consumption (KWh/100km) | Capacity (KWh) | Market weight |
| Tesla Model Y | 12.7 | 60 | 0.24 |
| BYD SONG Plus | 10.2 | 87 | 0.18 |
| Tesla Model 3 | 13.2 | 78.4 | 0.13 |
| BYD QIN Plus | 11.9 | 57.6 | 0.1 |
| BYD HAN | 13.9 | 85.4 | 0.09 |
| Roewe Ei5 | 13.3 | 61.1 | 0.06 |
| Buick Velite6 | 12.6 | 61.6 | 0.05 |
| Volkswagen ID.4x | 15.8 | 83.4 | 0.05 |
| BYD TANG | 17.6 | 108.8 | 0.05 |
| Roewe RX5\* | 18 | 12.3 | 0.05 |
| Representative value | 13.0 | 70.7 | 1 |

Note1: \* indicating the Plug-in Hybrid Electric vehicle

Note2: All data are sourced from https://www.autohome.com.cn/

Table S2. Top 10 vehicle model in Shenzhen in 2022

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle model | Energy consumption (KWh/100km) | Capacity (KWh) | Market weight |
| BYD SONG Plus | 10.2 | 87 | 0.19 |
| Tesla Model Y | 12.7 | 60 | 0.15 |
| BYD HAN | 13.9 | 85.4 | 0.15 |
| BYD QIN Plus | 11.9 | 57.6 | 0.14 |
| Tesla Model 3 | 13.2 | 78.4 | 0.09 |
| BYD TANG | 17.6 | 108.8 | 0.09 |
| GAC AION S | 12.9 | 60 | 0.07 |
| GAC AION Y | 13.3 | 61.7 | 0.05 |
| BYD SONG Plus | 10.2 | 87 | 0.04 |
| Li ONE | 16.9 | 40.5 | 0.03 |
| Representative value | 12.8 | 75.2 | 1 |

Note1: All data are sourced from https://www.autohome.com.cn/