TESLA VEHICLES AND CHARGING NETWORKS
FOR THE NATIONAL ACADEMIES OF SCIENCE WEBINAR
MAY 2, 2019
Accelerate the world’s transition to sustainable energy
A S U S T A I N A B L E F U T U R E

Generation

Storage

Transport
THE TESLA FAMILY

Made in America
5 Star Safety Ratings
Up to 370 Miles Per Charge
Industry Leading Performance
THE TESLA FAMILY - PART TWO
TESLA CHARGING

Supercharging

Destination Charging

Where You Park
# Tesla Charging Equipment

<table>
<thead>
<tr>
<th></th>
<th>V3 Supercharger (250 kW)</th>
<th>V2 Supercharger (150 kW)</th>
<th>Supercharger (72 kW)</th>
<th>Wall Connector (Level 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Output Power</td>
<td>250 kW</td>
<td>150 kW</td>
<td>72 kW</td>
<td>7-17 kW</td>
</tr>
<tr>
<td>Typical Charge Time</td>
<td>20 minutes</td>
<td>40 minutes</td>
<td>50 minutes</td>
<td>4-8 hours</td>
</tr>
<tr>
<td>Target Use Case</td>
<td>Long Distance</td>
<td>Long Distance</td>
<td>Urban Fast Charging</td>
<td>Destination Charging (Public + Work + Home)</td>
</tr>
</tbody>
</table>
1,441 Supercharger Stations with 12,888 Superchargers Globally
Charge for a few hours or overnight when you arrive at Destination locations – at hotels, restaurants and shopping centers.
C H A R G E  W H E R E  Y O U  P A R K

At Home  At Work  Around Town
Typical Charging

- Full Charge Every Morning
- Supercharge on the Way
- Recharge at Your Destination

Unlike refueling, charging mostly happens at home or work.
SUPERCHARGING

Navigate
Enter a destination on your touchscreen and Trip Planner will automatically route you through convenient Superchargers along the way.

Recharge
Plug in for about 30 minutes and grab a cup of coffee or a quick bite to eat while you charge.

Journey
Get notified from your Tesla app when your vehicle is ready to go.
Peak rates of 250 kW+ per car

No more power sharing between stalls

75 miles of charge in 5 minutes

Reduces time spent charging by 25%
Now on-route to a Supercharger station, Tesla vehicles will intelligently heat the battery to ensure optimal charging temperature upon arrival, reducing average charge times by an additional 25%.
Typical charging time at a V3 Supercharger will drop to ~20 minutes.