

CHARGING STATIONS : THE HARD REALITIES

Industry and Government have poured tons of money (yes...your tax dollars!) into building charging infrastructure as the “de-facto” method of refueling electric cars away from home. (they even make it look like a gas pump!)

But unless driving habits are radically changed, the use of charging stations will NEVER be a practical, safe method of refueling your EV.

Even at the max Level3 power of 100KW (the average power used by around 80 homes), it will take a minimum of 20 minutes to get a scant 60-80 miles of range, even under the best of conditions.

This will never change...no matter how small and light the battery gets.

And 100KW into your car is a MASSIVE amount of power! Is no one concerned about that?? (remember the Dreamliner?) You just need to ask any battery systems engineer if they, or their family, would remain inside a vehicle being charged at 100KW....

SO WHY AREN'T WE USING MODULAR EXCHANGE??

We believe (bluntly) it is lack of vision:

- Not being able to come up with the solutions to safety, interoperability, and connectivity as we have.
- Automakers not wanting to lose the control (and the profit) of the battery
- Not being able to see the solutions (which we believe are out there) to the exchange infrastructure and vehicle redesign
- Not truly believing in a future where Fossil Fuel vehicles are the exception...not the rule

We do agree: our solution may take a little more effort, but it is our only hope if we want to achieve our President's goal of “converting all cars and light trucks to alternate energy sources”.