



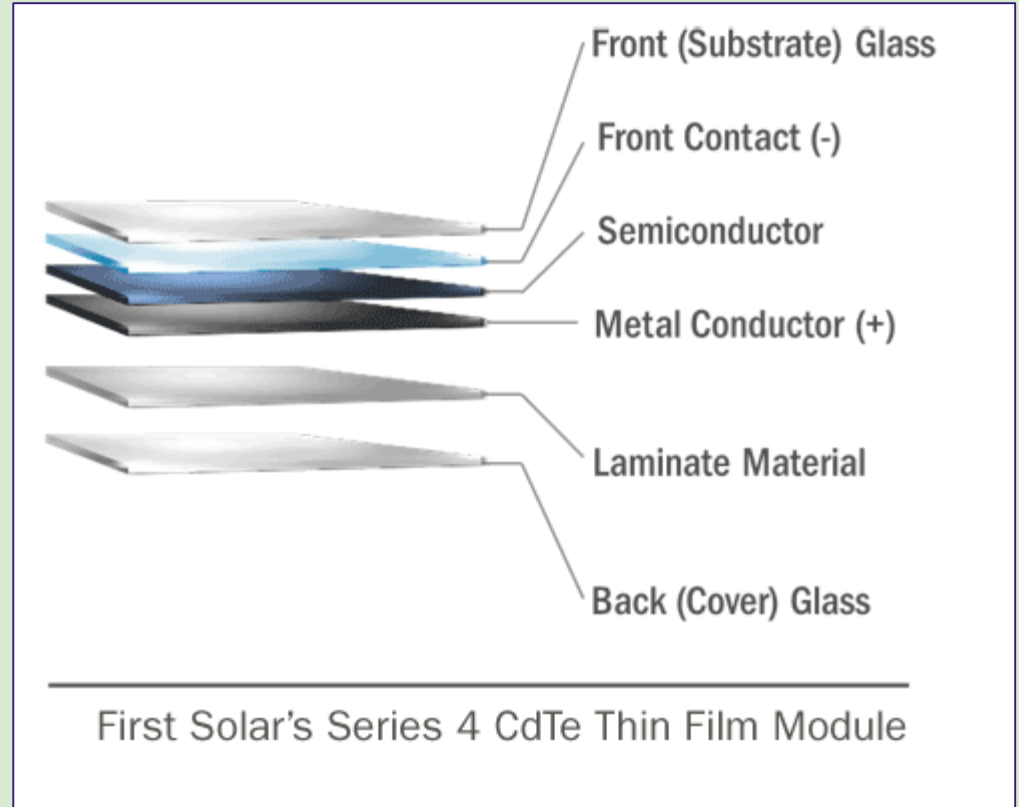
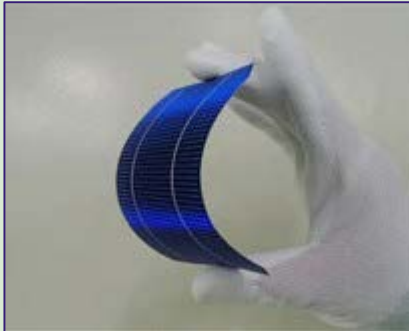
# Smart Solar Electric Vehicle Technology

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# Solar Panels

## CdTe (Cadmium Telluride)

Amorphous crystal panel provides superior performance in both bright sun and low light or partial shade



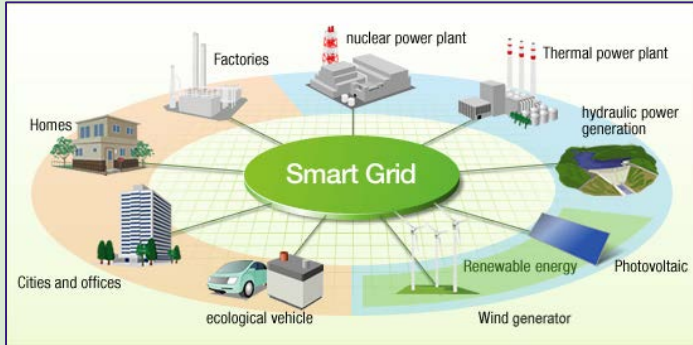
# Electric Vehicles

- Green transportation
- Limited by battery life

Wireless charging will improve ease-of-use and range



# Smart Technology



- Integration of Intelligent Systems via Networking Capabilities on Open-Source Platforms
- Our project will utilize the Macchina, a specialized Arduino platform for vehicles



<http://www.hitachi.com/environment/showcase/solution/energy/smartgrid.html>

# FL Poly SES Vehicle

The FL Poly SES Vehicle will combine open-source platforms to enable:

- Sustainable Transportation
- Autonomous Navigation
- Smart Networking Capabilities



# References:

<http://firstsolar.com/en/technologies-and-capabilities/pv-modules/first-solar-series-3-black-module/cdte-technology>

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