Sunnoo

Simpler, More Efficient Solar Innovation

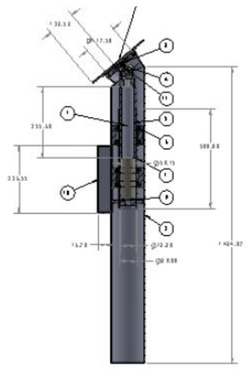
Problem

Ambitious climate goals are driving mass electric vehicle adoption, but charging infrastructure is struggling to keep pace. Vehicle charger installations are currently unable to support mass EV adoption because of grid interconnection challenges, including permitting and required upgrades. Couple this with the fact that much of rural america has limited electric infrastructure to support EV charging and it will be difficult to achieve our climate goals of net zero carbon by 2035 and net zero emissions by 2050. Multiple EV charging solution approaches will be required.

Market Opportunity

58% of Americans fear EVs will run out of power, 49% fear being able to find a charging station (Volvo/Harris poll). Range Anxiety is now the #1 factor in not buying an EV.

The inflation reduction act set a goal to install 500,000 chargers nationwide by 2030. Currently we have roughly 140,000 charging stations deployed, and of those only 70% are functional. Without alternate technologies that don't rely on grid interconnect, this goal cannot be met. Off grid charging stations will comprise a substantial % of the total market.



Patent pending single motor tracker

Our Solution

Using our novel low parts count dual-axis tracker, EV owners can charge their vehicle from virtually anywhere. Our single motor 360° tracker solution harvests up to 12% more energy while consuming less energy than other dual axis trackers on the market. This efficiency is critical for the small footprint EV charger. Our stand alone solution enables immediate deployment in the size of a standard vehicle parking space. With grid connection being optional, users are ensured to get a last mile charge from any geographical point. The current generation of our solution provides enough energy to extend vehicle range of 5-10 cars per charger.

Industry Collaboration

-Full time team of 3 Sunnoo founders w advisory from Solar Industry experts Christoph Heinzer & Mesa Scharf

-Active participation in Sandia National Labs C4 Capstone Program w/ teams from University of NM, NM State & NM Tech

-Partnership w/ Higher Wire for usage of 2nd life cells in phase 1 of low rate initial unit production.

Putting range anxiety in the rear-view mirror

sunnoo

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higherwire
Energy Solutions, Elevated