

# Charging an Electric Vehicle (EV) with Solar Power

Using electricity generated by your solar installation to charge an EV is easy, convenient and cost-effective. Charging at night takes advantage of the lowest electricity rates to provide a solar-powered “fueling” station.



## Benefits

- Labor and permitting costs are significantly lower
- Simultaneous installation ensures correct PV system sizing
- Be EV-ready, even if you and visitors don't own an EV – yet
- Solar from a PV system is the least cost-per-mile fuel available

## Solar Works Provides

- Consultation on EV energy usage and proper sizing of PV system
- EV charging station (EVSE: Level 2 Electric Vehicle Service Equipment)
- Installation of dedicated breaker, conduit and wiring to EV charging station location
- Receptacle or junction box, for immediate or future installation of EV charging station

## Installation Considerations

- Shorter distance between electric panel and charging station lowers costs
- Maximum distance from charging station to vehicle can be no more than 25 feet
- Charging station can be located indoors or outdoors – wall, ground or floor mounted
- Electric panel must have room for additional two-pole breaker, in addition to solar breakers
- Wall mount requires space approximately 24” W by 48” H, with at least 36” of forward clearance

## Recommended Equipment

We recommend ClipperCreek Level 2 EV charging stations for affordability, performance, and the manufacturer's experience. Level 2 EV charging stations use a 240V rather than a slower charging, standard 110V outlet. The model shown is a ClipperCreek indoor-rated HCS-40P 32-amp charging station with a 25-foot cable and three-year manufacturer's warranty. Other models, including pedestal mounts and outdoor units are also available.



ClipperCreek HCS-40P  
Level 2, 32 amp, 25' cable,  
three-year warranty

[www.clippercreek.com](http://www.clippercreek.com)



For more information:

(707) 829-8282

[info@solarworksca.com](mailto:info@solarworksca.com)

[www.solarworksca.com](http://www.solarworksca.com)

Lic # 878231

