



ELECTRIC CAR CHARGING STATIONS





About Plug-In Vehicle Solutions

Plug-in Vehicle Solutions is a manufacturer representative for various electrical recharging systems for all electric vehicles. We also offer training and educational offerings that can assist our clients with the transition to Electric Vehicles (EV), Neighborhood Electric Vehicles (NEV) & Plug-In Hybrid Electric Vehicle (PHEV) programs.

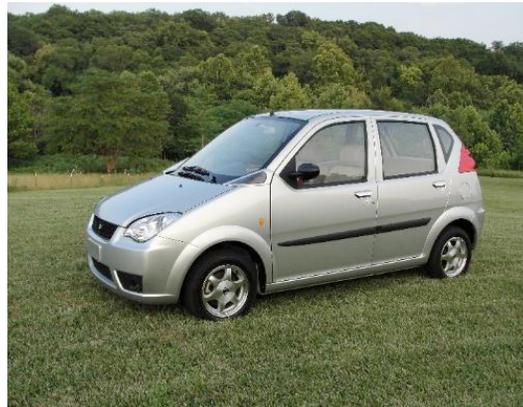
Plug-in Vehicle Solutions is dedicated to positively impacting the alternative transportation industry by assisting in creating a sustainable smart-grid recharging network for all electric and plug-in hybrid vehicles within the U.S.A. Every dollar sent overseas on foreign energy hurts our economy and impacts our sovereignty. We feel it is our patriotic duty to foster the growth of electric and plug-in hybrid vehicles and promote the use of US-made energy.



Why are we different?

- Offers multiple EV Charging Station solutions to fit your needs.
- Units can charge up to 4 vehicles at once, saving thousands of dollars in installation costs.
- Complete installation and maintenance packages.
- Select units can accept credit cards/debit cards to create revenue.
- Custom labeling/graphics on select charging stations.
- Truck Electrification Products to promote idle reduction for freight trucks.
- Location surveying for best placement of EV Charging Stations.

Volt Leaf Prius E-Car Focus





Level 1, 2 and 3 Charging Technology

Charging is categorized at three levels, or speeds:

Level 1 - uses standard 110-volt household outlet. Just plug in your car. A full charge takes *12 to 20* hours, depending on the vehicle's capacity.

Level 2 - requires a dedicated 220-volt outlet and a breadbox-size docking device. Charging takes *four to eight* hours.

Level 3 - fast-chargers need 480 volts and stand the size of a gasoline pump. Charging is complete in about *30 minutes*.

Commercial and Institutional Customers – Shopping Centers, Office Buildings & Fleets.

Plug-In Vehicle Solutions is the the leading manufacturer representative of safe and reliable electric vehicle recharging products. EV charging stations are the perfect way for municipalities, businesses and commercial buildings to show that they welcome a clean transportation future while maintaining an uncluttered and safe parking facility.

Where People Live – Homes, Condos, Apartment Buildings

Our customers want the operation of their electric cars to be simpler, safer, and more convenient than their conventional gas automobiles. They don't want a tangle of power cords cluttering their garage or condominium parking area. They will want a home charging station that is easy to install and use.



Clipper Creek



ShorePower



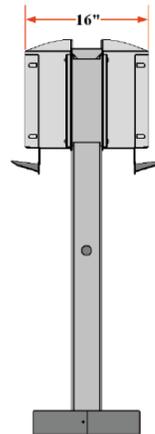
Plugless Power



Coulomb

Why ClipperCreek, Inc?

- First UL certified Level 2 EVSE
- SAE J1772 compliant
- Highest Power Available
- Most units installed
- Proven reliability/durability
- Best Value
- NEMA 4 Enclosure
- In-stock/immediately available
- Used by auto OEM's worldwide for vehicle development
- Adaptable to customer revenue generation systems



- Compatible with building access control & energy management systems
- Smart Grid compatibility
- Pedestal or wall mount with dual-mount option
- Low profile to minimize vandalism
- Adapts to customer and 3rd party data collection systems – no subscriptions required
- Installation support available nationwide, 48 hour response

Made in the USA!





ePump Electric Vehicle Charging Stations

SHOREPOWER
TECHNOLOGIES



Tower Model
S2211

ePump stations from Shorepower Technologies combine the latest electric vehicle charging technology with unparalleled customization options for municipalities, private employers, retail environments and fleet locations. The freestanding tower is designed for street or curb mounting with maximum visibility while the cube has a slim profile designed for a garage wall or a pole.

Both are made of high quality stainless steel for years of flawless performance and good looks. An optional illuminated globe gives the station a retro fuel pump look, blending the past with the future. Shorepower's "open source" charging stations can be customized to meet any technology requirements including:



Cube Model
S2100

Custom payment/access options—virtually any card swipe (Visa/MC/AMEX/gift/debit) or RFID technology including employee or student IDs

Multiple charging types—Levels 1 and 2 in various combinations within the same station offer user flexibility

Multiple form factors—freestanding Tower or wall/pole-mountable Cube design

Custom design—logos, colors, decals and information to meet any style or design requirements

Monitoring and reporting—proprietary back-office system and web portal provides custom reporting and downloading for users and site managers

Alerts—SMS or text messages for state of charge, security or unauthorized disconnect

Visibility—illuminated outlets, cord hangers and optional globe for security and ease of location

Enhanced security—commercial night vision cameras and warning stickers

Multi-user options—single, dual, tri, and quad users per station reduces installed cost per parking space

Advertising and public service announcements—interactive touchscreen provides dynamic, engaging visuals for users and non-users

Metering—utility-grade metering available

Renewable energy—combine with a car port and supply the station with solar or wind power to complete the renewable picture

Robust construction—weather, tamper and vandal resistant





Plugless Power™

why charge tomorrow's vehicle
with yesterday's technology

Plugless Power™ *Proximity* Charging System

Plugless Power™ is a “hands-free” electric vehicle charging system which offers users a convenient and hassle-free way to recharge without having to physically plug-in. The system includes two main components: the vehicle adapter, which is permanently installed on the user's GEV (grid-enabled vehicle), and the station which includes both a control module and a parking block installed on the ground.

Vehicle Adapter

The user's vehicle must be configured with a Plugless Power vehicle adapter designed to match the vehicle's existing on-board battery charger specifications. The vehicle adapter is installed on the front undercarriage of the GEV and easily integrated into most existing vehicle designs.

Station: Parking Block and Control Console

Equipped parking spaces include a Plugless Power™ parking block and a control console that interacts with and informs the user of his charging status. The parking block is installed on the ground at the front of the parking spot and self aligns with the vehicle's adapter. Based on the user's needs, the control console can be purchased as a stand-alone tower or as a wall-mountable unit and with back-up SAE J1772 plugs. Future control console models can include networking options and fee-based units.

Technology

Plugless Power is a variation of induction power transfer, an electrical principle that has been in use for over 100 years as the basis for today's electrical transformer. The basic inductive system was then modified by Plugless Power engineers to allow for efficient power transfer at increasing gaps. Using modified frequency and resonant tuning techniques combined with new iron core designs, Plugless Power engineers were able to extend the range of efficient transfer of power.





Coulomb Technologies is a leader in electric vehicle charging station infrastructure with networked charging stations installed in municipalities and organizations worldwide. Coulomb provides a vehicle-charging infrastructure, with an open system driver network: the ChargePoint Network provides multiple web-based portals for Hosts, Fleet managers, Drivers, and Utilities, and ChargePoint Networked Charging Stations ranging in capability from 120 Volt to 240 Volt AC charging and up to 500 Volt DC charging



Bollard



Pole Mount



Wall Mount



Home/Residential



DC Fast Charging



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