

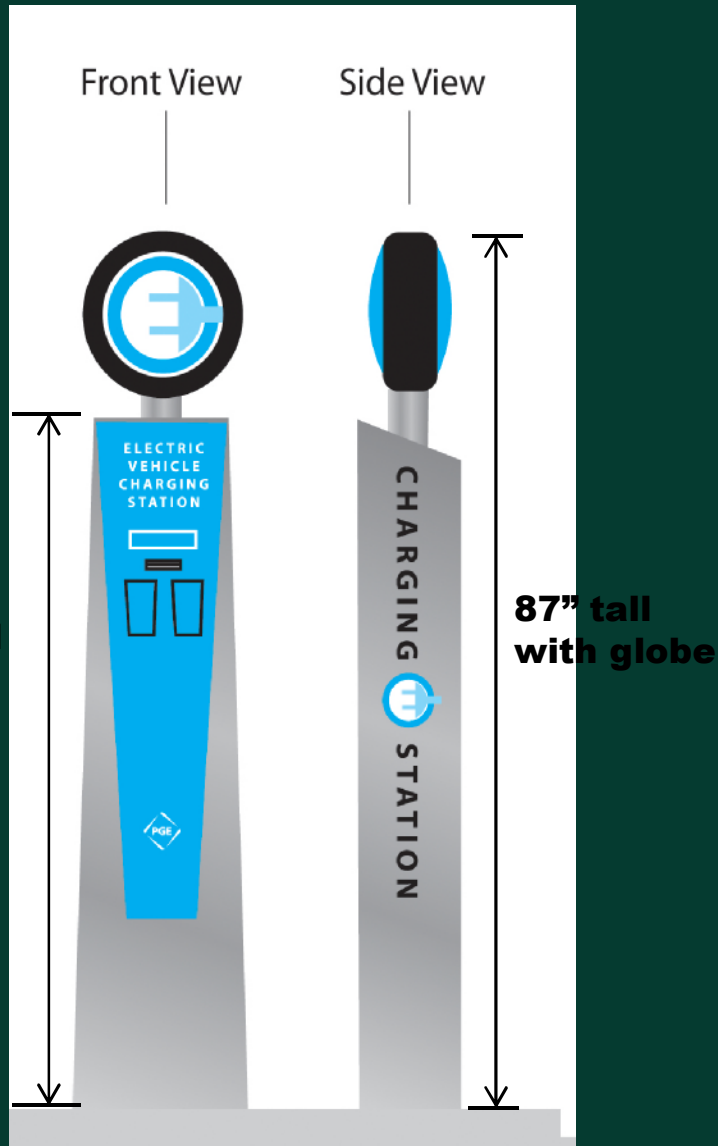


Transportation Electrification Electric Vehicle Charging Infrastructure

**Shorepower
Technologies
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Suite 2D
Utica, NY 13502**

**SynkroMotive
2351 NW York Street
Portland, OR 97210**

Pedestal Charging Station



The Pedestal charging was designed to be highly visible and easily recognizable. The station is constructed entirely of stainless steel for high durability. The optional globe illuminates at night.

Features:

- Four (4) Level 1 outlets – standard 120 volt, 20 amp outlets (NEMA 5-20R)
- Fully upgradeable to future Level 2, SAE J1772 standards, with corded connector
- Backlit outlets for nighttime visibility
- Weather resistant

Specifications:

- 87" tall x 18" wide x 10.5" deep
- Approximately 100 pounds

Retail Price:

- Retail price: \$2,900 without globe
- \$3,500 with illuminated globe and photocell

Options:

- Controller to monitor energy use and minutes of use
- Remote on and off control
- Payment & control system

Wall Unit

The Wall Charging Station is designed for garage parking and spaces close to buildings or walls. It is constructed of non-corrosive stainless steel for long term durability.

Features:

- Four (4) Level 1 outlets – standard 120 volt, 20 amp outlets (NEMA 5-20R)
- Fully upgradeable to future Level 2, SAE J1772 standards, with corded connector
- Backlit outlets for nighttime visibility
- Weather resistant

Specifications:

- 20" tall x 16" wide x 9" deep
- Approximately 40 pounds

Price:

- Retail price: \$2,500

Options:

- Controller to monitor energy use and minutes of use
- Remote on and off control
- Payment & control system

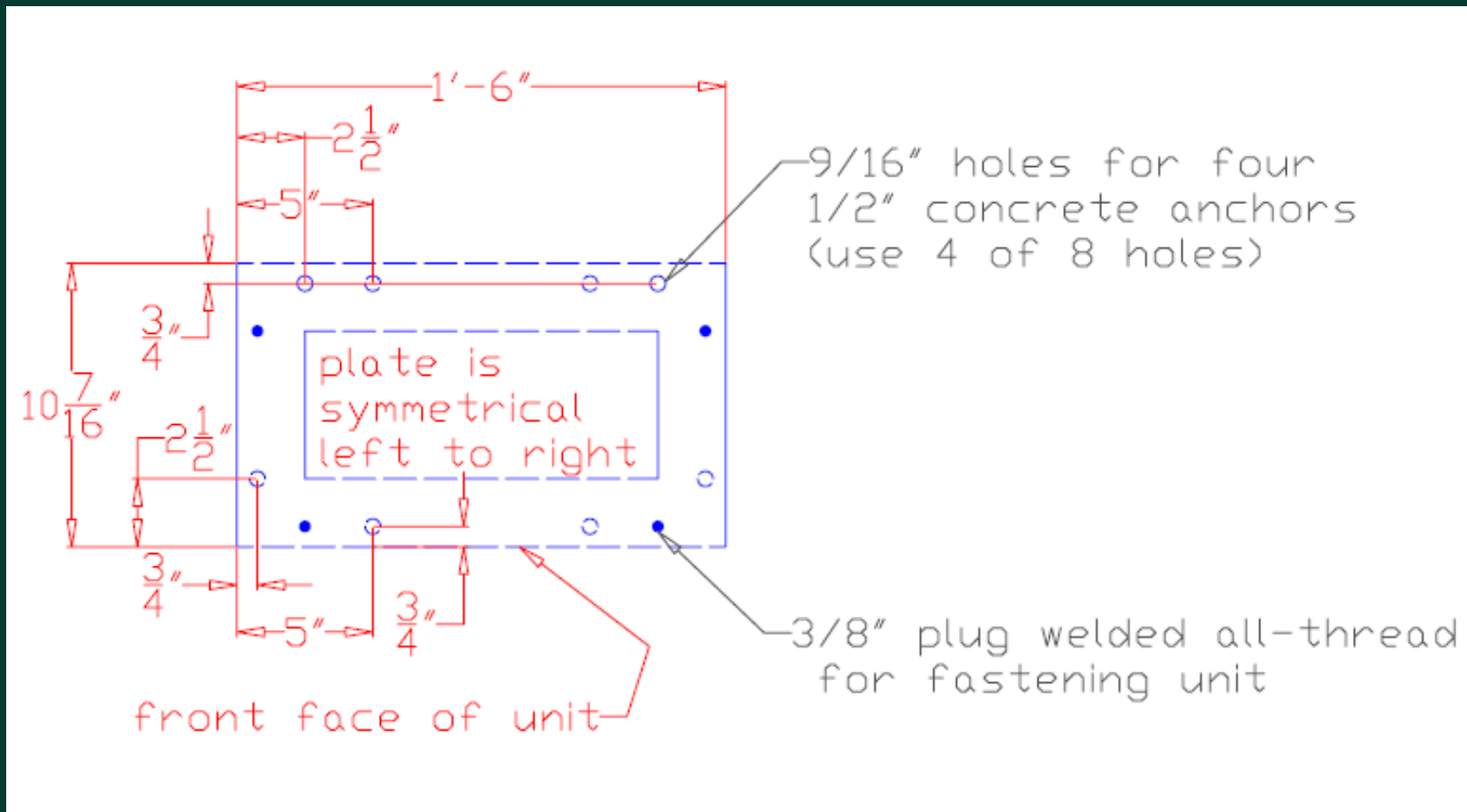


Installation Requirements

- Recommended Power:
 - Sufficient for future SAE J1772 Standards
 - 240 volt or 208 volt
 - 100 amp 4 wire circuit
- Minimum Power level:
 - 240 volt or 208 volt
 - 50 amp 4 wire circuit
- You may install a ground rod, but not in lieu of a grounding conductor.
- You cannot be required to install a grounding conductor OAR...
- For separate metering, Install a 4 jaw meter socket for 240 volt circuits and 5 jaw meter socket for 208 volt circuits
- Mounting:
 - Wall Mount
 - Outlets mounted not more than 48" above the ground
 - Bollards or wheel stops to protect station
 - Pedestal:
 - 2 foot Clearance from all sides, Level Surface
 - Bollards or wheel stops to protect station
 - Baseplate specifications shown on next slide



Pedestal Charging Station Baseplate Specifications



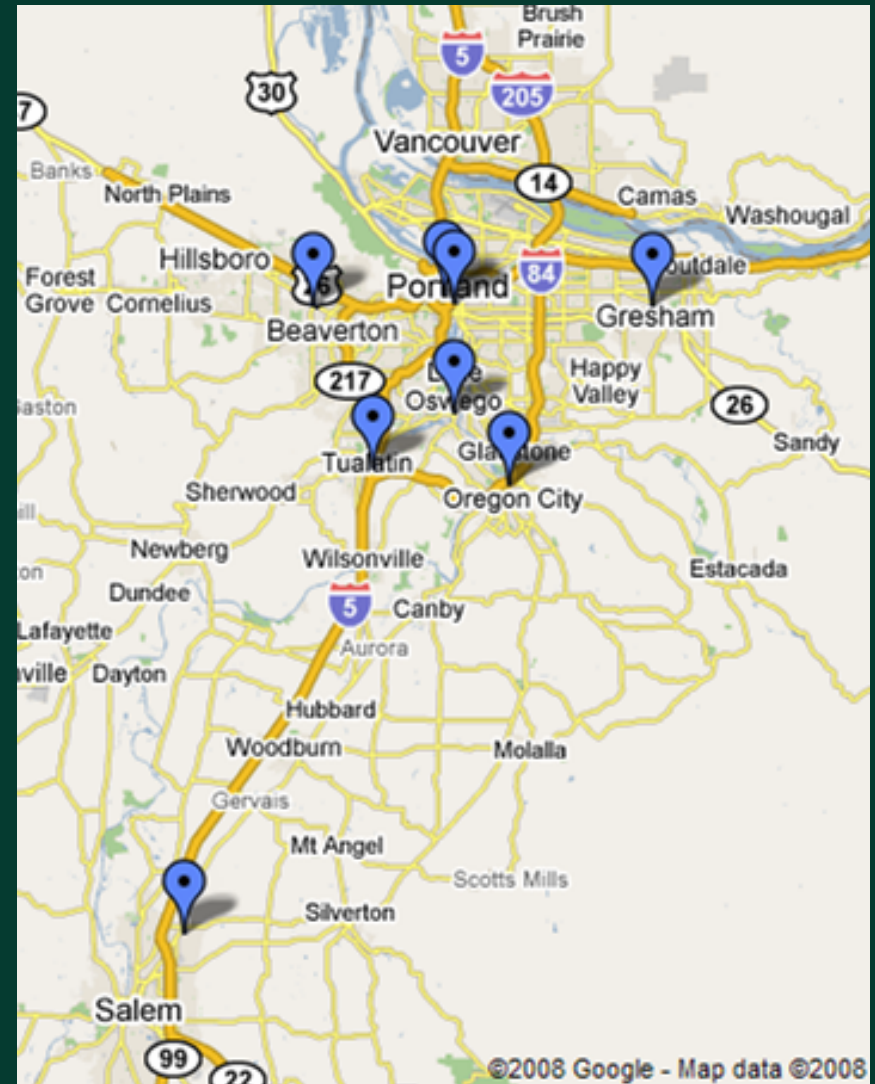
J-Bolts can be cast in concrete or holes can be drilled for anchors

Site Considerations

- Safe and easy access for users.
- Prominent location or ability to place signage to direct user to charging station location
- Available for Customers, Employees or Visitors to place of business
- Close proximity to existing panel with enough capacity for the charging Station
 - 208 or 240 volt 60 amp service (100 amp needed for future upgrade)
 - If trenching or boring, add an additional conduit for future communications.
- Utility Metering – Contact your local utility
 - Non-utility grade metering can be provided with any unit.
- **Future Standards:** Present Charging Station Design supports 4 vehicles charging at 120 volts 20 amps. When new charging standards are finalized (SAE Standard J1772 expected in Mid 2009), station can be retrofitted to meet the new specifications to support 2 vehicles charging at 208 or 240 volts at 32 amps. Auto manufacturers are expected to sell vehicles in 2010 that will use these new standards.

Shorepower Charging Station Locations

1. PGE World Trade Center - Portland, OR
2. City of Lake Oswego, OR
3. Oregon Museum of Science & Industry (OMSI) – Portland
4. PGE Salem Office – Salem, OR
5. PGE Contact Center – Tualatin, OR
6. City of Oregon City, OR
7. Nike – Beaverton, OR
8. Nike – Beaverton, OR
9. City of Gresham, OR
10. Shorenstein Realty – Lake Oswego, OR
11. City of Portland, OR
12. City of Milwaukie, OR
13. North Carolina State University



Industrial Charging & Truck Stop Electrification (TSE)

Designed for harsh environments including truck stops, travel plazas, rest areas, warehouses, and fleets. Mounting to a concrete foundation and the addition of steel bollards provides added protection.

Features:

- Available in 2-user and 4-user configurations
- Each user gets one or two standard 120 volt, 20 amp outlets (NEMA 5-20R)
- Two users get a 30 amp 208-240 volt outlet (NEMA 14-30R)
- Powder coated stainless steel
- Backlit outlets and illuminated top for nighttime visibility
- Weather resistant

Specifications:

- 36" tall x 12" wide x 12" deep
- Approximately 40 pounds

Retail Price:

- \$1,500 for 4-user unit
- \$1,100 for 2 user unit

Options:

- Controller to monitor energy use and minutes of use
- Remote on and off control
- Payment & control system
- Cable TV connections



Future Home Charging Station

- For use in home garages and secure fleet locations
- Will be available when new electric vehicles are released
- To be sold with or as an option with EVs
- SAE J1772 Standard
- Smart Meter compatible
- Programmable off-peak charging option
- Wireless web based user interface
- Target Price Retail \$850



EV and Plug-in Hybrid Conversions

- We currently convert the following hybrid vehicles to PHEVs
 - 2004–2009 Toyota Prius
 - 2006–2009 Ford Escape hybrid
- Developing standardized EV conversion kits and components
- DC Motor Controllers
- Battery monitoring
- Battery Management
- Large format LiFePo batteries



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