

# Charging Stations for Electric Vehicles Southwest Virginia & Southern West Virginia

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[A Charge for Electric Cars \(The Roanoke Times 14 June 2012\)](#)

## Introduction

There are three levels of charging stations for electric vehicles:

1. Level-1: 120-V 12-A maximum: ~1.0 kWh/hour
2. Level-2: 240-V 15/30-A maximum: ~3.3/6.6 kWh/hour
3. Level-3: 480-V DC 125-A maximum: ~55 kWh/hour

Here are pictures of the charging ports on a Nissan LEAF:



The port on the left is for level-3 (480-V, 125 A) charging; the port on the right is for level-1 (120 V, 12 A) & level-2 (240 V, 15/30 A) charging. The plug for the right port is an SAE-J1772

([http://en.wikipedia.org/wiki/SAE\\_J1772](http://en.wikipedia.org/wiki/SAE_J1772) ) standard plug. The plug for the left level-3 port is a CHAdeMO (<http://en.wikipedia.org/wiki/CHAdeMO> ) standard plug (up to 62.5 kW).

At the present time the compiler knows of no level-3/480-volts charging stations in southwest Virginia. Of course level-1/120-volts plugs are everywhere. So this compilation only lists locations for level-2/240-volts charging stations in southwest Virginia.

## **Level-2/240-volts Charging Stations in Southwest Virginia & Southern West Virginia**

- Beckley WV: Lewis Nissan at 100 Appalachian Drive: 2 stations: free for Nissan LEAFs.
  - Blacksburg: Kroger's Fuel Center at 830 University City Boulevard: 2 GE stations: no fee: readout shows kWh charged.
  - Blacksburg: Shell Fuel Center at 600 North Main Street: 1 Eaton station: credit card \$2 for 2 hours
  - Blacksburg: Campus Auto at 1208 North Main Street: 2 Eaton stations: no fee (<http://www.flickr.com/photos/newrivervalley/sets/72157631685407244/show/> )
  - Blacksburg: The Inn at Virginia Tech, 901 Prices Fork Road: 2 Schneider stations: no fee
  - Blacksburg: The Corporate Research Center, 1861 Pratt Drive: 1 Schneider station: no fee
  - Blacksburg: Warm Hearth, 2387 Warm Hearth Drive: 1 GE station: \$1 for 1 hour
  - Bluefield WV: Cole Nissan at Route 460 Green Valley: 2 stations: no fee for Nissan LEAFs.
  - Christiansburg: New River Nissan at 2130 N Franklin Street: 2 stations: no fee for Nissan LEAFs.
  - Christiansburg: Shelor Chevrolet at 2260 Roanoke Street: 1 station: no fee for Chevy Volts.
  - Dublin: Volvo truck plant at 4881 Cougar Trail Road: 3 stations: no fee
  - Floyd: Hotel Floyd at 120 Wilson Street: 1 station: get RFID wand from desk clerk
  - Charlottesville: Colonial Nissan-Pontiac-Cadillac: 2 stations: no fee for Nissan LEAFs.
  - Charlottesville: Blue Moon at 222 West South Street: 1 ChargePoint station: for guests only.
  - Covington: Covington Nissan at 1915 Hot Springs Road: 2 stations: free for Nissan LEAFs.
  - Danville: Robert Woodall Nissan at 132 Union Street/Bridge Road: 2 stations: free for Nissan LEAFs.
  - Danville: Advanced Vehicle Research Center at 500 Stinson Drive: 2 stations (1 ChargePoint: <http://www.mychargepoint.net> , 1 Gridbot: <http://www.gridbot.net> ) 24 hours.
  - Forest: Lynchburg Nissan at 18588 Forest Road: 2 stations: no fee for Nissan LEAFs.
  - Roanoke: Virginia Museum of Transportation at 303 Norfolk Avenue SW: 1 station: credit card \$1 per hour.
  - Roanoke: River House at 806 Wasena Avenue: 1 GE WattStation activated by iPhone and Android-phone apps: currently free
  - Roanoke: First Team Nissan at 6520 Peters Creek Road: 2 stations: no fee for Nissan LEAFs.
  - Staunton: Staunton Nissan at 297 Lee Jackson Highway: 2 stations: no fee for Nissan LEAFs.
  - Wytheville: Blue Ridge Nissan at 1305 East Main Street: 2 stations: no fee for Nissan LEAFs.
  - Marion: Marion Automotive Group at 1025 North Main Street: 1 Voltec station: no fee
  - Abingdon: Southwest Virginia Higher Education Center at One Partnership Circle: 2 stations: no fee
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- Map of ChargePoint stations: <http://chargepoint.net/find-stations.php>

- Map of Plugshare stations: <http://www.plugshare.com>
- Map of Recargo stations: <http://www.recargo.com>
- Electric Fueling Stations in Virginia:  
[http://www.afdc.energy.gov/afdc/progs/ind\\_state.php/VA/ELEC](http://www.afdc.energy.gov/afdc/progs/ind_state.php/VA/ELEC)

EV Charger Sharing Protocol: <http://www.evchargernews.com/chargingprotocol.htm>

Available charging stations: <http://www.roperId.com/science/ChargingStationsElectricVehicles.pdf>

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