

Incline Pines Homeowners Association

Installation guide for owner-installed EV charging outlets

August 2022

The following guide is for homeowners wishing to install a “generic” 50 amp 240 volt outlet at their assigned parking spaces. This installation will allow fast charging for any electric vehicle with its own charging cable and a NEMA 14-50 plug adapter.

A dedicated charging unit– such as a Tesla wall charger– will likely require a different installation to protect it from the elements.

Following HOA approval, all electrical work must be done by a licensed electrician with a permit from Washoe County.

Circuit requirements

Two-pole 50 amp GFCI circuit breaker

6 AWG stranded THHN copper wire (up to 100’ run)

2 - black (or one black and one red)
1 - white
1 - green

Minimum 3/4” conduit

Consult NEC chart for burial depths



Lockable 50-amp weatherproof enclosure

14-50 NEMA outlet included in box manufactured by Midwest Electric Products (approx. \$50)



Mounting post

2-3/8” x 6’ galvanized fence post with cap ideally three feet above grade, but in no case less than two feet above grade.

Post hole depth 18” to 24”

50 lbs Quikrete fast-setting concrete mix recommended

Spray paint: Rustoleum Dark Walnut satin

