



## Home Team Electric Scales EV Charger Installation Capacity as California Adoption Climbs

*June 05, 2026*

THOUSAND PALMS, CA - June 05, 2026 - PRESSADVANTAGE -

Home Team Electric is expanding its residential EV charger installation capacity across the Coachella Valley and Morongo Basin as California's electric vehicle market continues its accelerated growth. More desert homeowners are adding EVs every month, and the installation demands in this region differ from those in coastal California in ways that matter significantly.

For Coachella Valley homeowners, that shift is already arriving in garages and carports.

The National Electrical Code requires EV charger circuits to be rated at 125% of the continuous load. A 40-amp charger needs a 50-amp breaker and wire rated for that amperage at the actual run distance from the panel. That's the baseline.

In the Coachella Valley, the calculation goes further. Air conditioning systems that pull high amperage for six consecutive months leave less real capacity on residential panels than those same panels would have in

Santa Monica. A 200-amp panel that has capacity on paper may already be running near its practical limit every afternoon from May through October. Available capacity and available capacity during a desert summer are not the same number. Our technicians verify both before recommending a circuit configuration.

The physical installation environment compounds the challenge. Conduit runs through unconditioned garage spaces where ambient temperatures regularly exceed the rated operating range of standard components. Daily temperature swings stress every connection point in the circuit. Dust infiltration at panel enclosures creates resistance that compounds under sustained overnight charging load.

In the Morongo Basin, properties often have longer runs from panel to charging location, and the electrical infrastructure may include well pump circuits that already occupy critical breaker positions. Wire gauge for those runs must account for both the continuous EV load and the distance-related voltage drop.

Home Team Electric's approach begins with a full evaluation of the home's existing electrical system, not just whether a breaker slot is open, but whether the panel, service entrance, and full load profile can support sustained charging demand in desert operating conditions.

One recent installation illustrates the difference experience makes. A homeowner needed a charger installed in a home where the panel was already near capacity. Rather than defaulting to a full panel upgrade, a common recommendation that adds significant cost, the Home Team Electric technician evaluated the existing breaker configuration, identified circuits that could be reorganized, and modified the layout to accommodate the new charger circuit. The job was completed without replacing the panel because the existing equipment was sufficient once properly configured.

"A charger installation is an electrical project, not an appliance hookup," said Frank Luersen, Owner of Home Team Electric and California C-10 Electrical Contractor License #879507, with 28 years of residential electrical experience serving the Coachella Valley and Morongo Basin. "You're adding a 40-amp continuous load to a house that's already working hard six months out of the year. If the technician installing it doesn't understand what the panel is already carrying through a desert summer, you end up with a charger that trips breakers when the AC compressor kicks on. We see that cleanup work more than we should."

California C-10 Electrical Contractor License #879507. Active and verifiable through the California State License Board (CSLB) at [cslb.ca.gov](http://cslb.ca.gov). Home Team Electric has completed more than 25,000 residential electrical projects and maintains a 4.9 out of 5 rating from over 16,000 homeowners. All installations carry the company's 100% Satisfaction Guarantee and Lifetime Workmanship Guarantee.

Home Team Electric is a family-owned residential electrical contractor founded in 2006 by Frank Luersen. Based in Thousand Palms with four generations of family roots in this desert, the company serves Palm Springs, Cathedral City, Rancho Mirage, Palm Desert, La Quinta, Indio, Yucca Valley, Joshua Tree, and Twentynine Palms.

###

For more information about Home Team Electric, contact the company here: Home Team Electric Frank Luersen (760) 248-8709 info@hometeamelectric.com 72091 Woburn Court, Suite A, Thousand Palms, CA 92276

## Home Team Electric

*Written by Frank Luersen, Owner of Home Team Electric and California C-10 Electrical Contractor License #879507, with 28 years of residential electrical experience serving the Coachella Valley and Morongo Basin.*

Website: <https://hometeamelectric.com/>

Email: [info@hometeamelectric.com](mailto:info@hometeamelectric.com)

Phone: (760) 248-8709

