JULIAN MERCER

SOLAR INSTALLER

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PROFESSIONAL SUMMARY

Solar Installer with 7+ years installing residential and light commercial rooftop systems. Works safely at height, wires panels and inverters to code, and completes installs that pass inspection and leave customers satisfied.

PROFESSIONAL EXPERIENCE

Lead Solar Installer Feb 2023 - Present
Sunrun, San Francisco, CA

- Lead a crew of four installing 8 to 12 kW residential systems and complete most installations within a single working day.
- Wire inverters, combiner boxes, and disconnects to code, and 97% of my jobs pass the first inspection, which keeps customers on schedule for utility approval.
- Run daily fall protection checks and roof safety briefings, and the crew has gone three years without a lost-time injury.
- Review site plans and shading notes before each install and raise layout problems that would otherwise cause return visits.
- Walk homeowners through the monitoring app and system basics at handoff, which lowered post-install support calls to the office.
- Mentor new installers on roof layouts, conduit runs, and tidy wire management, and have trained six hires who now work independently.

Solar Installer Jun 2021 - Jan 2023
Vivint Solar, Lehi, UT

- Installed racking, rails, and modules on tile and composition roofs and sealed every roof penetration against leaks, with no water intrusion claims on my installs.
- Ran conduit and made DC and AC connections under a licensed electrician's direction, and passed utility inspections without repeat visits on the jobs I wired.
- Completed about 150 installations in two years with a very low rate of rework visits compared with the team average.
- Tested string voltage and polarity before energizing and caught three wiring errors before they became service calls.
- Helped train new hires on ladder use, harness setup, and module handling during their first weeks on the roof.
- Photographed each completed system with labelled combiner boxes and disconnects, which kept paperwork complete for the utility.

Solar Installation Assistant Jun 2019 - May 2021
Baker Electric Solar, Escondido, CA

- Carried and staged materials and assisted with rail layout on residential and small commercial rooftop projects.
- Drilled, flashed, and mounted attachments to rafters with accurate spacing and then learned module wiring from the lead installer.
- Documented completed work with photos for permitting and city inspections, which kept final sign-offs moving without delay.
- Earned a NABCEP associate credential while working and was promoted to installer after the credential and a field review.
- Learned safe handling of batteries and microinverters from senior installers and applied the training on three commercial roofs.

CORE SKILLS

Solar panel installation | Electrical safety | Roof mounting systems | Inverter wiring | Conduit installation | National Electrical Code | Fall protection | System commissioning | Site assessment | Voltage testing | Permit documentation | Customer handoff | Hand and power tools | Crew leadership

EDUCATION

Associate Degree in Electrical Technology, Palomar College, San Marcos, CA

CERTIFICATIONS

NABCEP PV Associate | OSHA 30-Hour Construction | First Aid and CPR