This Helps To Process Qualifying Residential Solar Installations to go Straight from Permit Application to Inspection

Lead Organization is NREL – National Renewable Energy Lab (Federal Energy Department)

Simulates Plan Review through Entering Technical Data directly into the APP

Complex Verifying Database Embedded Within That has Been Built by Code Professional Organizations, and Industry Experts.

Participating Jurisdictional Partners are Currently using the APP.


National Go Live Date is End of June 2021
Software Implementation Package 1: Automated Plan Review

**AHJ Requirements**

- AHJ repurposes instant permit process for solar.
- AHJ adds new input for SolarAPP Approval ID
- AHJ accepts via email or uploaded approval document.
  - *(IF DESIRED as part of record)*
- AHJ maintains permit process for ineligible solar projects.

**Included in SolarAPP+**

- Automated plan review for code compliant systems
- Ability to adopt newer model codes.
Software Implementation Package 2: Standalone Permitting System

**AHJ Requirements**
- AHJ creates a new Stripe account tied to their bank account
- AHJ manually uploads record of SolarAPP+’s issued permit received from email to enable inspection scheduling
- AHJ maintains permit process for ineligible solar projects

**Included in SolarAPP+**
- Automated plan review for code compliant systems
- AHJ fee collection through Stripe
- Permit and inspection job card issued immediately
- Ability to adopt newer model codes.
Sample Job Card

City of Pleasant Hill, CA
100 Gregory Lane
Pleasant Hill, CA
945239256715214

Scan to open project

Post this Permit on Jobsite

Project
SolarAPP ID: SA20210528-8-23-2-A
PERMIT ISSUANCE: 05/28/2021
PERMIT EXPIRATION: 11/24/2021
SYSTEM SIZE: 4.08
SCOPE OF WORK: 4.08kW PV Array
ADDRESS: 529 Odin Dr
Pleasant Hill, CA 94523

Contractor
NAME: Tesla
PHONE: 5106176411
ADDRESS: 47700 Kato Rd
Fremont, CA 94012
STATE LICENSE NUMBER: 888104
STATE LICENSE EXPIRATION: 12/31/2022
CITY BUSINESS LICENSE: 37782
CITY BUSINESS EXPIRATION: 08/31/2021

Inspection
PHONE: 9256715200
REQUEST CODE: x1
PROJECT TYPE: PV
SCHEDULE INSPECTION:
When leaving a voice message, please be sure to leave your: SolarAPP+ permit number, phone number, date requesting inspection, AM or PM. Requests will be honored up to 7a.m. the morning of the inspection date requested, pending availability.

Fee Summary
$25

Inspection Activities
REQUESTED: 0
COMPLETED: 0
RESULT: 0
SIGNATURE: 0
DESCRIPTION: 0

This permit is valid for 180 days and must be present on the jobsite at the time of inspection.
Version: 1.2.1

Approve ID: SA03210528-8-23-2-A
# Inspection Checklist

**Address:** 529 Odin Dr, Pleasant Hill, CA 94523  
**Permit #: 685**  
**AHJ:** City of Pleasant Hill, CA  
**Scope of work:** 4.08kW PV Array

## Main Service Panel Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Breaker Ampere Rating Size:</td>
<td>100 AMP</td>
</tr>
<tr>
<td>Main Bus Ampere Rating Size:</td>
<td>100 AMP</td>
</tr>
<tr>
<td>Utility Service Rating:</td>
<td>100</td>
</tr>
</tbody>
</table>

## Interconnection at Main Service Panel

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Phase Grid Voltage: INPUT Volts</td>
<td>240</td>
</tr>
<tr>
<td>System Point of interconnection Compliance Method At Main Service Panel: 705.12 (B) (2) (3) (b), 120% Rule Where two sources, one a primary power source and the other another power source, are located at opposite ends of a busbar that contains loads, the sum of 125 percent of the power source(s) output circuit current and the rating of the overcurrent device protecting the busbar shall not exceed 120 percent of the ampacity of the busbar. Backfeed breakers are at opposite load ends of the panel.</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

## Equipment Point of Interconnection

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no existing Utility interactive power production source connected to the home's electric service. Only the utility interactive power production sources and/or photovoltaic modules specified on this inspection checklist list are present on site. All power production inverter outputs have the same point of connection. If connected equipment is NOT within line of sight or closer than 10ft to the point of interconnection, disconnect or isolation means are installed.</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

## Inverter

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGC Wire Size Inverter 1: INPUT</td>
<td>12</td>
</tr>
<tr>
<td>Overcurrent Protective Device rating: Inverter 1: INPUT</td>
<td>20AMP</td>
</tr>
<tr>
<td>AC Wire size Inverter 1: INPUT</td>
<td>12</td>
</tr>
<tr>
<td>AC Circuit Conduit size Inverter 1: INPUT</td>
<td>1/2&quot; trade size</td>
</tr>
<tr>
<td>Maximum number of AC current carrying THHN-2 wire conductors in raceway: INPUT</td>
<td>2</td>
</tr>
<tr>
<td>Inverter 1 model number:</td>
<td>1534000-xx-y [240V]</td>
</tr>
<tr>
<td>Inverter 1 manufacturer:</td>
<td>Tesla Inc.</td>
</tr>
</tbody>
</table>

*Approve ID: SA0010028-6-23-0-A  
City of Pleasant Hill, CA*