

Solar Panels

Requirements for the Permit Application

- A structural analysis of the building showing that the building can support the proposed load of the solar panels, must be performed by a SC Licensed Engineer who has visited the site. The analysis letter must be signed and sealed by the Engineer.
- Site plans for *freestanding* solar panels
- A dimensional plan view of the proposed panel array
- A electrical one- line diagram including all components that were submitted to the local power provider for approval
- All components used shall be listed and labeled in accordance with UL listings
- Maximum voltage and circuit sizing must be in accordance with the NEC 690.7 and NEC 690.8
- The locations of DC/AC inverter, rapid shut down, AC Disconnect, main service entrance, electrical panel box and meter must be identified on a directory per NEC 705.10
- Provide label identification details for the equipment, devices and conduit used
- The make and model of the racking system for the arrays, along with manufacturers installation instructions
- Manufacturer specification sheets for the equipment being used.
- An Interconnection Request approval letter from the Utility Provider.
- Submit your e-form electrical permit application using the following link (Note-You will be asked to create an account for this site if you do not have one already):
<https://www.greenvillesc.gov/FormCenter/Building-Permits-19/EForm-Electrical-Permit-Application-atta-273>
- If your installation requires structural modifications to the roof system, your licensed building contractor will need to complete an e-form building permit application using the following link (Note-You will be asked to create an account for this site if you do not have one already):
<https://www.greenvillesc.gov/MyAccount/?from=Url&url=%2FFormCenter%2FBuilding-Permits-19%2FEform-Building-Permit-Application-attach-237>

