



Town of Plymouth
Department of Inspectional Services

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Electrical Installation Requirements For Solar Photovoltaic Systems

When applying for an Electrical Permit for the installation of a P.V. system, in addition to the Standard Electrical Permit application the following will be required.

ALL equipment, devices and fitting shall be listed and labeled by a Nationally Recognized Testing Laboratory (NTRL) and installed in accordance to the manufacturer's installation instructions, in accordance with Article 110.3 (B) of the National Electrical Code.

You may be required, by the Wiring Inspector, to provide technical documentation, as needed.

Before completing plans for a P.V. system, the installer **MUST** understand that the (interactive) P.V. system will become part of the electrical system including the grounding electrode system. The existing system, because of the addition of the P.V. system, code changes, or as a result of normal wear issues since it was installed, may no longer be compliant or safe. Additions or modifications under these conditions could create a code violation.

The applicant will be responsible for making the existing service and its grounding electrode system safe and in compliance with the current edition of the Massachusetts Electrical Code, before connection to the P.V. system is made.

Please note that you are **REQUIRED** to file a written request for a rough inspection (bonding and grounding) of the metal racking system **BEFORE** the installation of any panels. **NOTE:** Photograph's are not a substitute for the required rough inspection.

Also, under the 2014 Mass Electrical Code, you are now required to provide a Rapid Shutdown Function per Article 690.12 and AFCI protection per Article 690.11.

Thank you,

Mark Elsner
Plymouth Wiring Inspector