

manufacturer specifications shall be submitted as part of the application.

d. *Installation Requirements.*

1. Solar panels shall be permitted as a rooftop installation in any zoning district. A roof-mounted system may be mounted on a principal building or accessory building.
2. Roof-mounted solar panels shall be mounted parallel to the roof angle and shall not exceed a height of twelve (12) inches above the rooftop.
3. A roof-mounted solar panel that is mounted on a flat roof may be angled to achieve maximum sun exposure but shall not exceed five (5) feet above the roof.
- 4. All roof-mounted panels shall be installed at least three (3) feet from the roof edges.
- 5. Roof-mounted solar panels shall not be permitted on the front roof of a structure which faces a street, except as permitted below. This requirement shall also apply to the side street of a corner lot. Solar panels shall be located on a rear-or-side-facing roof, as viewed from any adjacent street, unless such installation is proven to be ineffective or impossible. The removal of potential obstructions such as interceding vegetation shall not be sufficient cause for permitting a front-facing installation. Front-facing installation may be permitted in accordance with the following provisions:
 - (a) Applicant must present valid reasons to the Building Official as to why a front roof is the only effective or possible means for utilizing solar energy on the property. Such information shall be certified by a professional deemed qualified by the Building Department and reviewed by the Borough Engineer and any other professional that the Borough deems necessary; and
 - (b) Solar panels must be flush mounted to the roof.
 - (c) An applicant may appeal a denial of the Building Department to allow solar panels on a front roof to the Zoning Board of Adjustment.
6. Solar panels shall be placed such that concentrated solar radiation or glare shall not be directed onto nearby properties, businesses, residential homes or roadways.
7. All exterior electrical lines must be painted a color scheme that matches as closely as reasonably possible the color of the structure and adjacent materials.
8. An external disconnect switch, which is clearly identified and unobstructed, shall be provided.
9. Signage identifying the use of solar panels shall be posted at an easily visible location. The signage shall clearly state the name, address and telephone number of the vendor authorized to deactivate the solar panel system in the case of an emergency.
10. In addition to the required signage, property owners shall provide the Borough Fire Official with a map illustrating the location of the disconnect switch, as well as any information regarding the vendor authorized to deactivate the solar panel.
11. Marking is required on all interior and exterior direct conduit, raceway, enclosures, cable assemblies and junction boxes to alert the Fire Service to avoid cutting them.
12. Ground-mounted solar energy systems shall not be located in the front or side yards and shall have side and rear yard setbacks of no less than twenty (20') feet. No part of the ground-mounted solar energy system shall exceed seven (7') feet in height.

(Ord. No. 2012:03)