How do I know if my house or property is right for solar?

Roof Mount Considerations

• An ideal roof will face south and have a moderate to steep pitch.

• The direction the roof slope faces is called the “Azimuth”. A perfect azimuth is solar south - on a compass in NH, about 194 degrees.

• Obstructions such as chimneys, skylights, vents, and satellite dishes will reduce the size and output potential of the system.

• Triangular shapes (such as hip roofs) also limit useable space.

• Roof shingles should be in good condition. Poor shingle condition warrants roof replacement in advance of solar installation.

Ground Mount Considerations

• Is the trench run feasible? Damaging septic systems is frowned upon.

• Is there access for an excavator?

• Can we maintain property setback requirements?

Examples of GREAT roofs
Products featured for Solarize Kearsarge

Solar panels: Hanwha QCELL Q-Peak Duo G5
- Rated at 325 watts DC
  - 25-year production warranty
  - 12-year workmanship warranty

Inverters: Convert DC panel output to 240v AC household power
- Enphase IQ7+ Microinverters – 295W AC
  - Each solar panel has its own inverter
  - Maximum efficiency and minimum voltage loss
  - Panel-level monitoring system
  - 25 year warranty
Products GSS Uses - continued

- Mounting system for sloped roof arrays
- Black-anodized aluminum and stainless steel
- Rails cut flush – not protruding past panel edges

- Envoy IQ installed and configured for system monitoring by phone, tablet or PC
Products GSS Uses - continued

- AllEarth Dual-Azumuth GPS and Computer Controlled Tracker
- Our favorite ground mounted systems

- Fixed system using earth anchors to achieve 150 MPH wind loads and 80 PSF snow loads
Warranties

• Granite State Solar’s workmanship guarantee is 12 years
• Panels: 25-years production, 12-years workmanship
• Enphase inverters: 25-years
• SnapNrack roof racking: 25-years
• Nuance fixed ground mount: 25-years
• AllEarth trackers: 10-years

Maintenance? Usually, there is none.
  • If solar needed maintenance, we would sell a maintenance plan 😊. *Don’t be impressed when you hear “maintenance included” related to a solar claim!*
  • *AllEarth trackers need grease once annually, there is a single grease fitting.*