

# Solar Energy

## Myths vs. Facts

Will solar panels ruin your roof? Will they stop working after just a few years? Let's separate some myths about solar power from the facts that show going solar is a great investment.

### **Myth - "Solar panels will ruin my roof."**

**Fact -** Solar panel installations rarely cause roof damage. LG PRO installers take careful precautions to prevent any damage to your roof, including inspecting the roof to make sure it is in good shape and can handle an installation. Ask your installer about safety measures that will ensure your roof remains structurally sound.



### **Myth - "Solar panels only work for a few years."**

**Fact -** LG's residential solar panels are guaranteed to produce more than 90% of their labeled power output at the twenty-fifth year. That's right – we guarantee our solar products will achieve high power output for a quarter century, and are likely to continue producing well after that.



### **Myth - "It takes too long for the investment in solar to pay for itself."**

**Fact -** According to EnergySage, the typical solar payback time in the U.S. is about 8 years. After that, solar panels produce energy that is essentially free – and LG panels are guaranteed to produce high power for 25 years.



### **Myth - "Solar panels don't work in cloudy weather."**

**Fact -** Solar panels do generate electricity in cloudy weather. They don't produce as much as on sunny days, but they have been shown to generate as much as 25% of what they produce on a sunny day when there are clouds, and around 10% even on very cloudy days.

### **Myth - "Solar panels don't work when it's cold."**

**Fact -** Solar panels actually function more efficiently in cold conditions. This means when they're not covered by snow, they can generate more energy from the same amount of sunlight in cold temperatures than in hot temperatures.



### **Myth - "There's no point in installing solar panels if you live in a snowy climate."**

**Fact -** Research has shown that solar can still successfully generate electricity in snowy climates. Light snow has little impact on solar panel performance (it easily slides off). Heavy snow can limit the amount of energy produced, but light is able to move through snow, enabling some electricity generation. Also, solar panels absorb the sun's heat and are mounted to face the sun (often on a slope), so snow usually melts and slides off.



### **Myth - "Solar panel warranties won't transfer to a new homeowner."**

**Fact -** Although some solar warranties may not be transferable from the original owner, LG's solar panel limited warranties are transferable to a new homeowner as long as the home is sold while the panels are still under warranty.



#### Sources:

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When you go solar, ask for the brand you can trust: LG

