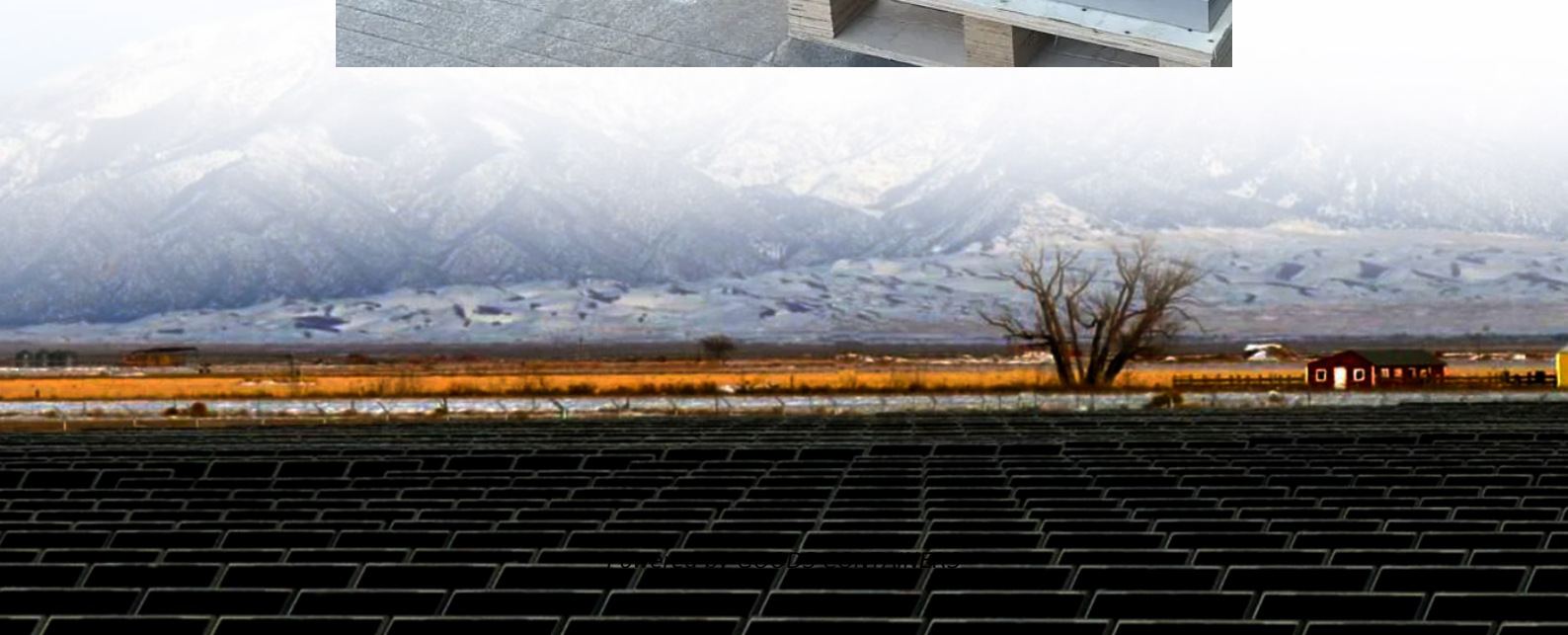


# **Outdoor Solar Smart Site Energy Prices**





## Overview

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How much does a solar light cost?

**Installation Costs:** Installation may range from \$50 to \$300 per light, depending on the complexity and the terrain. **Maintenance Costs:** Solar lights generally require little maintenance, but you may need to replace batteries every 5 to 7 years, adding an occasional cost of \$50 to \$300 per light, depending on the battery size and type.

How much do solar street lights cost?

**All-in-One Solar Street Lights:** These lights have the solar panel, battery, and LED lamp integrated into a single unit. They are easier to install and typically cost less upfront. Prices can range from \$100 to \$500 per unit. **Split-Type Solar Street Lights:** In this design, the solar panel and the battery are separate from the light fixture.

What is NREL's solar-plus-storage cost benchmarking work?

This work has grown to include cost models for solar-plus-storage systems. NREL's PV cost benchmarking work uses a bottom-up approach. First, analysts create a set of steps required for system installation.

Are solar high mast lights a good investment?

The initial investment, while higher than traditional lighting systems, is offset by virtually zero operational energy costs. A typical solar high mast light can reduce electricity expenses by up to 100%, with systems paying for themselves within 3-5 years of installation.



## Outdoor Solar Smart Site Energy Prices

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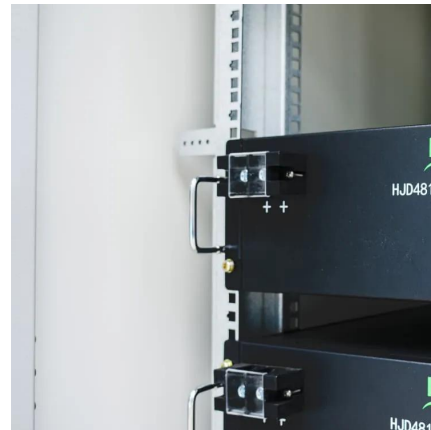


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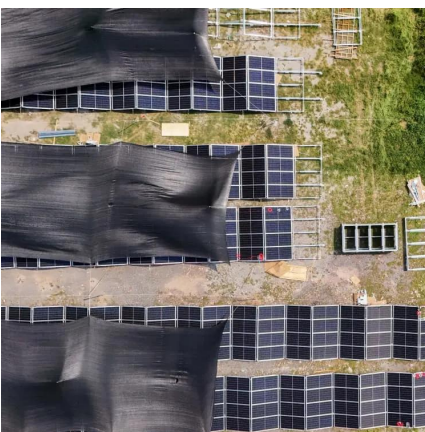
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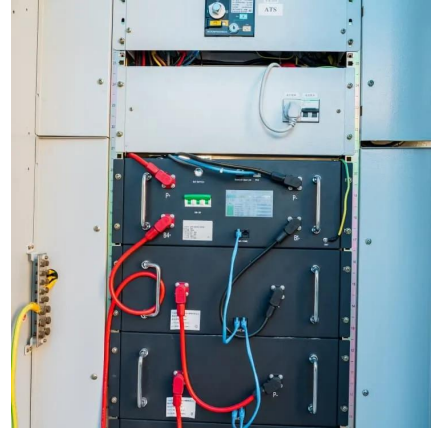
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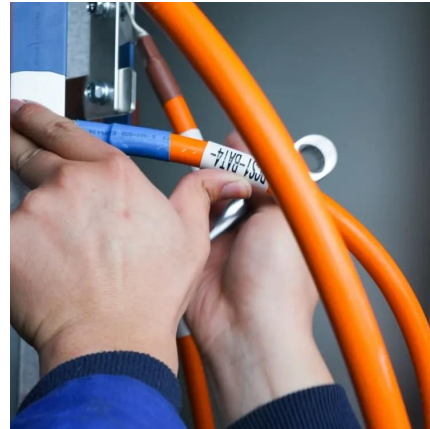
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