

RESIDENTIAL / LIGHT COMMERCIAL

Solar Safety Switches

usa.siemens.com/switches

Siemens delivers confidence in every connection. Our safety disconnect switches are engineered to meet the demands of modern residential and light commercial solar, battery, and EV installations. Every model reflects installer feedback and Siemens commitment to innovation, resulting in reliable, durable, and thoughtfully designed solutions that reduce common pain points on the job site.

Built for today's solar and the electrified home of tomorrow

Siemens disconnect switches support a wide range of system sizes and applications. Standard residential ratings from 30A to 200A cover most solar and battery installations, while our broader portfolio scales up to 400A, 600A, and beyond for large residences or advanced energy systems. This flexibility ensures homeowners can grow their solar capacity, add EV charging, integrate storage, or upgrade their electrical infrastructure without outgrowing their switchgear.

Our designs are adaptable and can be retooled for evolving residential needs, giving installers more choices without compromising quality. Homeowners benefit from the same proven, commercial-grade reliability trusted in demanding environments across the country.

Features and Benefits

- **Visible blades** (100A and above) provide clear verification of switch position.
- **Bubble covers** increase wiring space and reduce localized heat.
- **Common enclosure sizes** simplify installation and inventory across multiple amperages.
- **Hub cover and knockout options** support a wide range of conduit layouts.
- **Premium materials and construction** ensure long-term, worry-free performance.

These features work together to deliver a safer and more installation-friendly experience for solar professionals.



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Top Residential Solar Models



30A - HF361PV, GNF221RLLA
Compact and efficient, sized for smaller residential solar installations and quick installation in tight spaces.



60A - HF222NR, GNF222RLA
A balanced and versatile choice for most standard residential solar projects.



100A - GNF323R, HNF263R
Ideal for larger systems that incorporate battery storage or higher-output solar arrays, with visible blades that enhance safety.



200A - GNF224R, HF224NR
Commercial-grade performance tailored for high-capacity residential and light commercial systems that demand greater durability and thermal performance.

A Complete Range of Disconnect Switches

Beyond the top-selling models above, Siemens offers disconnect switches for nearly any residential or light commercial requirement, including quick-install versions, oversized configurations, and custom builds in both fusible and non-fusible designs.

In regions with extreme temperatures and demanding environments, such as the American Southwest, installers are increasingly choosing Heavy Duty (HD) switches. These models offer enhanced durability, rugged construction, and better long-term performance in harsh conditions. HD can be a strong fit even in residential applications where system size or environmental challenges justify a stronger solution.

This combination of standard, heavy-duty, and higher-amperage options ensures Siemens can support any growth in solar, battery storage, or whole-home electrification.

Success in the field

In both Arizona and New Jersey – we worked closely with installers to create a custom implemented fuse clip and enclosure design enhancement that improved heat mitigation and wiring space. These updates reduced installation time and improved reliability, strengthening Siemens' reputation as a trusted partner in residential solar. Let us know your challenges and we can help create the solution you need.

Legal Manufacturer

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