Solar Panel Installers at Lumina Solar Expand Commercial and Residential Service

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Merrifield, Virginia - July 21, 2026 -
Virginia property owners facing rising electricity costs are turning to solar panel installers able to handle homes and commercial buildings alike. Lumina Solar has expanded its installation focus across both segments from its Fairfax office, covering residents and business owners throughout the state.

Residential and commercial projects differ in scale, mounting method, and electrical integration. Homeowners contending with rising energy bills are finding rooftop solar installation through Lumina Solar's residential service, which sizes solar panels to household consumption and available roof area. Commercial properties are designed around building load and existing electrical infrastructure, and a commercial solar panel system installation generally uses larger arrays and different inverter configurations than a residential one. Both approaches convert sunlight into electricity through the same photovoltaic principle and place solar energy within the broader category of renewable energy and alternative energy systems.

The U.S. Department of Energy advises property owners to begin with a site assessment before any solar

panel installation proceeds. That assessment reviews roof condition, orientation, obstructions blocking sunlight, and electrical panel capacity, and its findings drive the solar system design that goes forward for permitting, typically after structural and electrical engineering review. The National Renewable Energy Laboratory publishes timeline data through its SolarTRACE tool indicating that permitting, inspection, and utility approval frequently take longer than the physical construction phase. Lumina Solar carries out site assessment, system design, and permitting for its own projects, and its licensed solar panel installers complete the physical work once approvals are issued.

Department of Energy guidance for consumers going solar recommends obtaining assessments from more than one company and confirming that a solar panel installer holds proper licenses and certification from an established credentialing body such as the North American Board of Certified Energy Practitioners. Insurance coverage, workmanship warranty terms, and whether a company uses its own crew or subcontractors are further details that distinguish photovoltaic installers with in-house capability from those coordinating outside labor. Certified solar panel installers generally complete formal training and periodic recertification to hold that credential.

Lumina Solar was founded in 2018 and has completed more than 6,000 installations across Maryland, Pennsylvania, Virginia, Delaware, and Washington, D.C. The company employs more than 150 staff, including NABCEP-certified installers and licensed electricians, and runs its Virginia operations from Fairfax. Its project scope covers system design, site assessment, permitting, battery backup and energy storage installation, and system monitoring for residential and commercial properties.

The Solar Energy Industries Association reported in March 2026 that Virginia holds 7.5 gigawatts of installed solar capacity, ranking the state ninth nationally among solar markets. Figures from SEIA and Wood Mackenzie show the national residential segment installed 1,179 megawatts of capacity in the first quarter of 2026, a 6% increase year over year, while the commercial segment installed 523 megawatts over the same period. SEIA also reported that solar power supplied the largest share of new U.S. generating capacity in 2025 for the fifth consecutive year, ahead of other renewables in clean energy additions to the grid. Labor demand has tracked that expansion, and the Bureau of Labor Statistics projects employment of solar photovoltaic installers to rise 42% between 2024 and 2034, with roughly 4,100 openings a year on average, a distribution its Occupational Employment and Wage Statistics program records by state and metropolitan area. Property owners comparing solar panel installers are therefore selecting from a widening field of contractors, which is what makes licensing and certification checks material.

Additional information about residential and commercial solar panel installation services, battery backup, and system monitoring is available through the Lumina Solar website.

About Lumina Solar

Lumina Solar is a solar panel installation company founded in 2018 and serving Maryland, Pennsylvania, Virginia, Delaware, and Washington, D.C. The company provides residential and commercial photovoltaic installation, including system design, site assessment, permitting, battery backup, energy storage, and system monitoring. Lumina Solar operates its Virginia office in Fairfax and employs more than 150 staff, including NABCEP-certified installers and licensed electricians.

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Lumina Solar

Cut your electric bill with solar from Lumina Solar. We design and install high-efficiency residential and commercial solar systems across the Mid-Atlantic, guiding you through incentives, tax credits, permitting, and install.

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