



Solar Panel Installers at Lumina Solar Delaware Add Battery Backup Options

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Delaware property owners facing rising energy costs are increasingly asking not only how to generate their own electricity but how to keep it available when the grid goes down. Lumina Solar Delaware, a solar panel company serving Newark, New Castle County, and communities across the state, pairs rooftop solar panels with battery backup and energy storage so homes and businesses can store the solar power they produce during the day. The company's solar panel installers design each system around a property's usage and the owner's interest in energy resilience.

Battery backup changes how a solar system serves a property. Rather than sending all midday output to the grid, a system with storage holds surplus solar energy in a battery for use in the evening or during an outage, keeping essential circuits running when utility service is interrupted. The U.S. Energy Information Administration notes that energy storage is not a primary source of electricity but a technology that balances supply and demand and strengthens grid stability, which is part of why storage is increasingly installed alongside photovoltaic panels that convert sunlight into power.

Demand for that pairing has climbed sharply. The Solar Energy Industries Association, in its Energy Storage

Market Outlook released with Benchmark Mineral Intelligence, reported that the United States installed a record volume of energy storage in 2025 and that the residential segment grew 51% year over year, driven largely by homeowners seeking protection against outages and extreme weather. As interest widens, more Delaware residents are weighing storage as part of a move to solar rather than as a later addition.

Lumina Solar Delaware installs solar panels, inverters, and battery storage as a single project, which lets a property owner add stored solar power for evening use or backup without a separate build later. The company carries out site assessment, system design, engineering, permitting, and installation with its own in-house crews rather than routing the construction to subcontractors; its technicians are licensed and insured, and it holds the licenses required for the electrical work in the jurisdictions it serves. Residential projects generally center on rooftop arrays sized to a household's consumption, while commercial installations are engineered around the larger electrical loads of a business property. Certified solar panel installers complete formal training and periodic recertification, and the company coordinates the required inspections and utility approval before a system is switched on.

Lumina Solar was founded in 2018 and has completed more than 6,000 installations across Delaware, Maryland, Pennsylvania, Virginia, and Washington, D.C. Lumina Solar Delaware runs its operations from Newark and employs, across the company, more than 150 staff, including NABCEP-certified installers and licensed electricians. Equipment such as panels, inverters, and batteries typically carries manufacturer warranties separate from the workmanship warranty a company provides, and those warranty terms are among the details reviewed with each customer during the design stage.

Property owners comparing a solar panel company against other providers are commonly advised to check certification, licensing, local installation history, and how much of the work the company performs itself. The field is growing: the Bureau of Labor Statistics projects employment of solar photovoltaic installers to rise 42% between 2024 and 2034, a distribution its Occupational Employment and Wage Statistics program records by state and metropolitan area. As solar sits within the broader category of renewable energy and alternative energy, and as the number of solar panel installers and solar companies in the region grows, verifying credentials and in-house capability gives Delaware homeowners and businesses a dependable basis for choosing among clean energy and renewables providers.

Delaware homeowners and businesses can request an estimate and more information about battery backup, energy storage, site assessment, system design, and installation through Lumina Solar Delaware.

About Lumina Solar Delaware

Lumina Solar Delaware is a solar panel installation company providing residential and commercial solar energy systems to homeowners and businesses across Delaware. Founded in 2018, Lumina Solar operates in-house teams of NABCEP-certified installers and licensed electricians and has completed more than 6,000 installations across Delaware, Maryland, Pennsylvania, Virginia, and Washington, D.C. The company installs solar panels, inverters, and battery storage as part of its renewable energy and clean energy work, with operations in Newark, Delaware.

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For more information about Lumina Solar Delaware, contact the company here: Lumina Solar (Delaware) Lumina Solar Delaware +18009716118 info@luminasolar.com Lumina Solar Delaware 200 Continental Dr Ste 401 Newark, DE 19713

Lumina Solar Delaware

Lumina Solar Delaware is a solar panel installation company serving homes and businesses statewide since 2018. Our Newark team designs, permits, and installs custom solar energy systems that cut electric bills and boost incentives for steady savings.

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