



CENTRIA
CENTRIA Architectural Systems

SOLARCREST™ | Solar Roof Systems



Harnessing The Power of Nature

SOLARCREST Technology Has Arrived



As a sustainability leader, CENTRIA takes an active role in the development of new and innovative ways to lighten our footprint on the earth. In a partnership with UNI-SOLAR® and EnergyPeak™, CENTRIA has developed a uniquely sustainable, cost-effective and high performance Building Integrated Photovoltaic (BIPV) roof product that solves the solar roof panel issues of the past.

Introducing SolarCrest — CENTRIA's answer to the need for solar energy solutions in the commercial building industry.

A SUPERIOR Solar Roof Panel

By applying thin film technology — amorphous silicon (a-Si) — SolarCrest absorbs light more efficiently than other photovoltaic crystalline products. And because SolarCrest is manufactured and assembled with various CENTRIA roofing systems, it can reduce the overall materials and installation costs for any given building project.

SolarCrest solar roof panels are pre-engineered and manufactured using CENTRIA's Versapanel® foam composite roof panels to provide superior thermal insulation, weather resistance and an air and vapor barrier. Also available are the SRS® 2, SDP-200 and SDP-175 standing seam roof panels. Comprised of best-in-breed Building Integrated Photovoltaics (BIPV), SolarCrest is the most aesthetically appealing solar panel, as well as the most sustainable — for use anywhere CENTRIA roof panels are specified.



SOLARCREST

Insulated Metal Composite Roof Panel

SolarCrest combined with CENTRIA's Versapanel Insulated Metal Composite Roof Panel provides a complete roof system that includes the following in one composite roof panel.

- Exterior weather surface
- Thermal barrier with R values as high as R-30
- Air barrier
- Vapor retarder
- Internal durable surface
- Electricity generating photovoltaics



Versapanel

Specifications

Substrates: Standard 26/26 gage

Surface Finish:

Exterior – Non-directional embossing, non-planked
Interior – Non-directional embossing, planked

Panel Width: 36"

Panel Thickness: 1 3/4", 2 1/2", 4"

SOLARCREST

Standing Seam Roof Panels

SolarCrest adds a new level of performance to an exceptionally engineered standing seam roof product line. CENTRIA's expert sales, engineering and technical support helps you design and specify these products for your exact application.

Specifications

Substrates: Standard 24-20 gage

Surface Finish:

SRS2 – Non-directional embossing or smooth, flat (non-planked)

SDP-200 & SDP-175 – Non-directional embossing or smooth, striated

Panel Widths: 16" or 18"

All SolarCrest roofing panels are available in G-90 Galvanized steel, Galvalume and Galvalume Plus.



SRS2



SDP-200



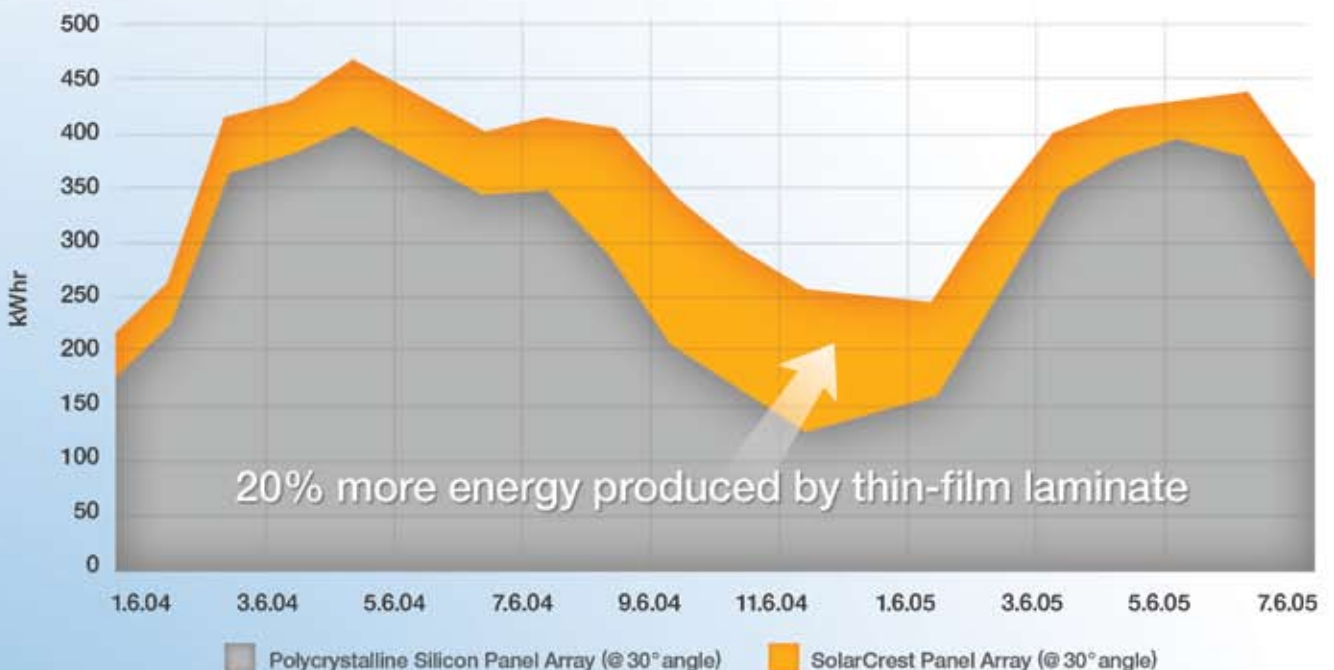
SDP-175

Features and Benefits

SolarCrest solar roof panels incorporate the use of thin film technology to create an integrated solution for today's green building. SolarCrest brings many benefits to solar panel roofs including:

- Integrated and Lightweight – allows for easy installation.
- Durability – long-lasting solar panel solution that stands up to foot traffic.
- Flexibility – allows for curved roof design without additional support or roof penetration.
- Reduced Building & Labor Costs – integrated, single source BIPV with no on-site assembly needed.
- Provides 20% more energy production (kWhr) per rated output than previous solar roofing products.
- Contributes to the US Green Building Council's LEED Certification.
- SolarCrest is backed by a 20 year warranty.
- Typically, ROI can be realized in less than 10 years after installing SolarCrest.

Energy Output Comparison of Solar Roof Products



Standard systems available include: 3, 5, 10, 15, 30, 60 and 120 kW.

Custom systems also are available upon request.

CENTRIA's Commitment to Sustainability

For more than 100 years, CENTRIA has put its environmental ideas to work by developing a variety of sustainable wall and roof products. With the goal of pushing “green” beyond the standard, our expert design and development team strives to develop sustainable products that provide aesthetic solutions as well as tangible, immediate and long-term economic and environmental advantages over alternative products. It's all part of being EcoSmart. EcoSensitive. EcoCENTRIA.

With the ever-growing global demands to incorporate renewable energy and sustainable products into today's building designs, CENTRIA's SolarCrest solar roof system meets and exceeds industry standards for a sustainable metal roof product — providing 20% more energy production (kWhr) than other solar roof products.

SolarCrest will help you reduce your building costs, increase the value of your building over time and go a long way in helping to sustain and protect the environment. So, when you want a long-lasting, highly sustainable, affordable, and flexible solar roof panel that is both aesthetically appealing and extremely energy efficient, think SolarCrest.

For more information, visit www.CENTRIA.com/roofpanels/SolarCrest or call 1.800.759.7474.





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ENERGY PEAK™
Building Integrated Photovoltaic (BIPV)
Standing Seam Roofing

www.energypeak.com