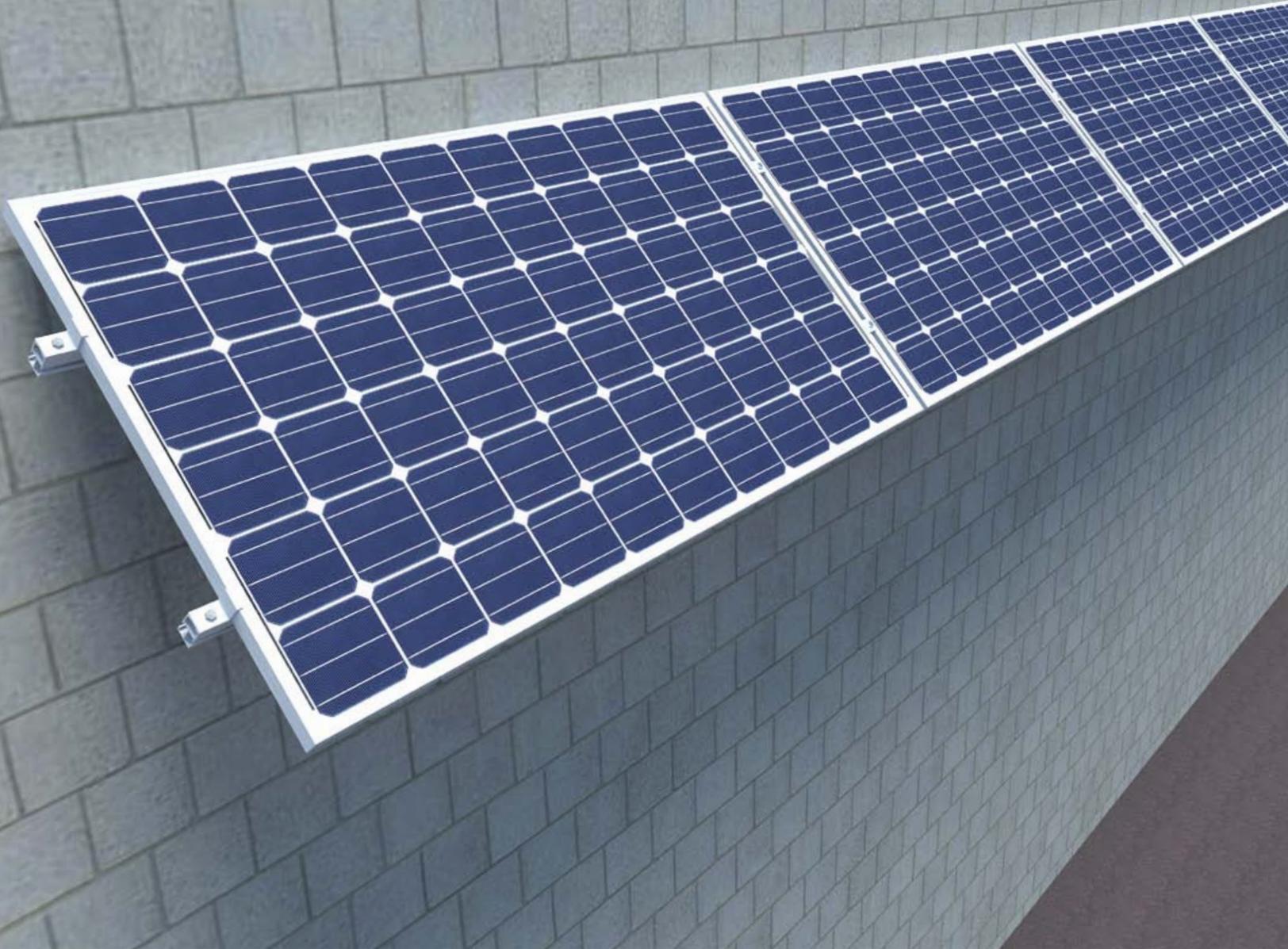


SUNRAIL LITE WALLMOUNT[®]

WALL MOUNTING SYSTEM



MADE IN ONTARIO

SUNRAIL LITE WALLMOUNT® WALL MOUNTING SYSTEM



DESIGN AND AESTHETICS



100% Aluminum

- Aluminum always have the upper hand over galvanised steel (corrosion resistance, lighter, higher thermal conductivity for cooler panels).
- Top-grade aluminum components are durable and look great for a long time and are ideal for wet climates or any harsh environmental conditions.

Anodized aluminum available on demand (clear, black or colour).

System conceals and protects electrical cabling in cavity along the side of the rails. Wire management solutions available.

EASY INSTALLATION



Only one extrusion does all

Opsun's SunRail Lite® extrusion composes the entire mounting system, allowing contractors the flexibility, on-site control and familiarity of wood construction beams.

Simple and fast installation

Pre-cut beams and optional factory preassembly add convenience, reduce waste and minimize installation time.

- System has very few components and is completely intuitive.
- Different spans are possible.
- On-site customisation is very easy.

STRUCTURAL DESIGN

- Channels along the length of the rails and the fixtures allow lots of adjustments in all axis.
- Engineered design is structural, making it very strong.
- Can resist heavy winds up to **120 MPH** [193 km/h].

Strong assembly

Clamps are fully engineered, strongly built and feature Opsun's lock nut for a fast installation that will not loosen in time. One tool is sufficient for the whole installation.

Enhanced structural integrity

Two sets of rails design create a light-weight solid structure on the roof, minimizing structural stress and distributing point loads on all connected fixtures.

Conforms to most Building Codes.



FLEXIBLE DESIGN



System design and layout is completely customizable

- Compatible with different panel sizes.
- Portrait and landscape configurations available.
- From residential to commercial scale installations.

Enhanced possibilities

The SunRail Lite Wallmount® is designed to seamlessly fix itself to existing structure of the wall or the building, and can adapt to virtually any wall type.

BIPV : WINDOW SHADING



Manage your building temperature

The SunRail Lite Wallmount® can be set up at different tilt angles to optimise window shading during the year.

Compatible with most types of wall

- Concrete walls.
- Brick walls.
- Concrete block walls.
- Standard wood stud walls.
- Installs either on the wall material or on the building structure.

BIPV : FAÇADE



Building Integration Solution

- The SunRail Lite Wallmount® can be set on a building façade for an elegant and seamless building integration.
- Custom design on demand.
- New and old buildings.
- Residential and commercial.
- Rendering services available.

Advanced grounding

WEEB-OSF grounding solution available.

Self-grounding solution available.

OPSUN CLICLOC[®]



SAVE MONEY AND TIME

Integrated grounding is the future. Opsun now has a fully custom ClicLoc that makes grounding a simple, easy task.

- **UL and CSA** approved
- **Clicks** on the rail and slides into place
- **Completely grounds** the panel to the rail
- **One piece** serves as both the clamp and the grounding solution
- **Fully tested** to be as strong as all other Opsun components
- **One tool** fixes into place
- **Requires less copper** conductor overall

OPSUN WEEBS ALSO AVAILABLE

The Opsun WEEB brings many benefits to a mounting system, while being low-cost:

- **UL and CSA** approved
- **Engineered** for outdoor use over long periods of time
- **Prevents** galvanic corrosion
- **Requires less copper** conductor overall
- **Easy to use**



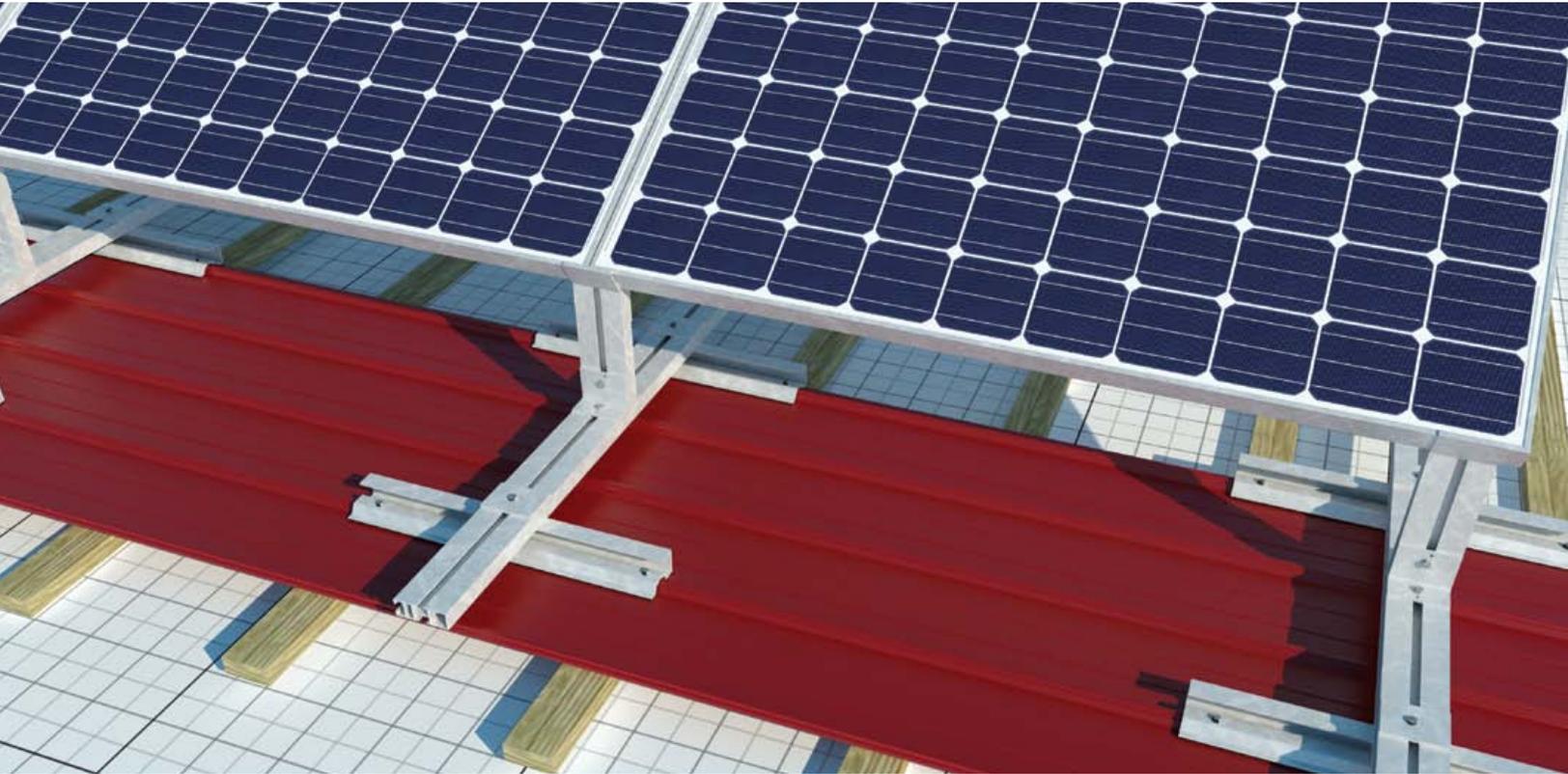
Project success with three simple steps.

1. Obtain full engineering support
2. Install solid, structural rails
3. Fasten panels with self grounding clamps

Accomplish reliable results fast and at a low cost

*ClicLoc is a Trademark from Fath PV Tech inc.

TOTAL ENGINEERING SUPPORT



FLEXIBLE DESIGN

Opsun does not only sell a product: each project is tailored to fit on the ground or on any structure perfectly. Optimal layout and configuration of the mounting system is determined by an engineer and a custom solution is proposed.

- **Engineers** are appointed to work on each design, customizing it to the needs of the client.
- **Electrical string design** can be done by our engineers to optimize electrical wiring.
- **Accurate configuration drawings** of the array are done and are supplied with each quote, assuring clear visual presentation of the custom design.

FULL ENGINEERING SUPPORT

Our engineers work extensively on each project to perform all the work required to certify that the system will meet any legal or engineering standards. Plans that Opsun supply are virtually the only ones required to construct a project.

- **Simulations and engineering calculations** are performed by engineers to verify the structural integrity of the system. Wind tunnel tests are used to validate that ballast calculation is compliant with the Building Code.
- **Supplied plans are ready for engineer stamping.** Opsun's plans contain almost every element required to obtain a building permit, streamlining the process, saving time and avoiding costs. Fully stamped plans can even be supplied upon request.
- **Project-specific technical drawings** with precise measurements to facilitate installation are supplied, reducing on-site costs, avoiding unexpected issues and limiting any risks to a minimum.
- Opsun's total service is a company vision, so its always **free!**

KNOWLEDGE IS POWER

Opsun's staff is comprised of solar energy experts. We can accompany any developer through the whole process of creating a solar power plant. Our team is skilled in:

- Rapid estimation of the PV potential of a site.
- 3D rendering for astonishing project presentations.
- PVSyst simulations and projections of electricity generation.
- Optimization of system efficiency.
- Geolocalization tools can be used to assess shading issues and to quickly determine building characteristics.
- Feasibility assesment.

TECHNICAL SOLUTIONS

Opsun's technological innovations are customer demand-driven. Opsun's well-developed solutions to structural challenges increase the range of feasible projects.

Ask us a custom solution, and we will design it for you!

Examples of specialized applications:

- Building Integrated Photovoltaics (BIPV).
- Tilt panels on a sloped roof.
- Installation of panels on a low-pitched East-West roof.
- Minimizing ballasting, but still avoid using anchors.

INSTALLATION SUPPORT

Opsun's engineering staff is expert on everything related to solar equipment and the installation of a solar power plant.

Call us and we will lend you a hand:

- Training of installation teams and maintenance staff.
- Coaching of early installations to ensure flawless execution.
- Expert, personalized phone support for technical assistance during installations to help resolve issues when they arise.