



Building  
**Solar**, Better.



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# Your foundation for solar progress

PanelClaw is a supplier of solar mounting systems for large commercial rooftop solar projects, active in the United States and in Europe. PanelClaw is part of the Enstall Group: the global leading provider of rooftop solar mounting systems. At PanelClaw we believe in a smooth project progress and thus provide support, assistance and help to you and your stakeholders.

Whether it concerns a feasibility check, smart designs for complex situations or the supply of technical documentation. We see our company as your foundation for solar projects. Because only a good foundation is a guarantee for success. Before, during & long after the realisation of your project. When we start with our service, it never ends, actually. We create continuous value for your solar projects.

**Solar success, now and in the future!**

## Looking for a partner for your solar projects?

Get in touch with us to find out how we can be the foundation for your solar progress.

### PanelClaw in Europe:

**1600000+**

Panels installed

**20+**

Countries in Europe

**1+**

GW

**20+**

FTE Europe

### **Your partner, locally & globally**

In Europe we offer you our smart and solid system Wave. A well thought mounting system that can be used in various configurations. With our mounting systems we are flexible and can quickly adapt to new situations. And so robust they outlive your solar panels and your roof. Extensively tested so we give you a 20-year product warranty with confidence. At PanelClaw we love to simplify things.

Developers and installers in more than 20 European countries therefore rely on our Wave mounting systems. PanelClaw has a mounting system for every situation, specific location and unique configuration.

### **Our service starts today & never ends, actually**

You need a partner that is bankable, certified & reliable, of course. That's exactly what we bring to the table. But we don't stop there. We're also all about sustainability and flexibility. Sustainable as we prioritise sustainable operations and are committed to run things in an eco-friendly way. Flexible as we are aware that circumstances can change, we are quick on our feet to adapt and respond. And that's why we see ourselves as your foundation for solar projects.

You can rely on our service, from project start till the very end. Actually, it never ends. Our service goes on and on. From design support to installation training, from technical documentation to providing all the answers to all the questions you might have. Our team of technical experts is always there to rely on.

### **Minimise risks & maximise revenues**

We understand you want a quick insight into the possibilities of your project. What about the roof load? But also in further elaborations of a design. How do you optimise the design on the roof, in terms of safety, efficiency and yield? We support you, with various options, so you can pick the best one for your investment. For today and the days to come.

That's why, before getting started, it is important to carefully inspect the roof to minimise risks and maximise revenues. Every parameter, such as wind zone, roof height, parapet height, roofing material, height differences, orientation to the north and much more must be accurately determined. Only then, detailed and smart project designs can be made. Precise and accurate. With the guarantee that everything is delivered on location. On time.



# Maximum efficiency on the roof comes in Wave

## Easy & fast to install

Our mounting system Wave is quick and error-free to install due to the small number of assembly steps. Align and unfold the assembled base units. Click the high base element and stabilisers into place, and mount the solar panel using the unique panel lock. The entire assembly, including the solar panel, can be carried out without the need for tools.

## Immediate results & continuous performance

Maximum efficiency on the roof; one of the starting points of Wave. Wave can be installed in either a dual or single setup, with dual ensuring a balanced energy yield during the day and single for maximum yield in the afternoon hours. In this way, Wave enables us to fill the roof area as efficiently as possible. This configuration is specially designed for large-scale projects and for the use of the latest solar panels. Due to the rigidity of the system, fields up to 40 by 40 metres can easily be laid.

## Minimisation risks & maximisation revenues

Each panel is optimally supported by two base units. Because the panels are clamped on the long side, as prescribed by most panel manufacturers, we minimise the risk of panel damage. With additional

components that enable lightning protection, our system meets even stricter requirements. Our patented Wave system has been tested extensively. And it meets the strictest corrosion requirements and international standards. Because you need a partner that is reliable, our high-quality mounting system comes with a 20-year warranty. That is what we call solar progress.

## Enhanced Configuration for Heavy Snow Loads

For regions prone to heavy snowfall, we have an upgraded configuration of our Wave mounting system. This setup includes an additional clip mounted within the base unit. The clip reinforces the structure by evenly distributing the snow load from the solar panel to the roof. This ensures optimal performance and safety in snowintensive regions.

## Anchoring for Wave

Besides using ballast, it is now also possible to use anchoring with Wave. By attaching a Twister Bracket to the Stabilizers we utilize the existing architecture and stiffness of the Wave mounting system for maximum output from the anchors. An Anchor Bar is added to some positions in the field or projects with extremely high loads. Easy installation, solid design.



## WE STRIVE FOR

# speed and convenience

- Fast and easy installation
- Clickable assembled units
- Minimum number of components
- Maximum efficiency
- Integrated cable management
- Easily disassembled for maintenance and inspection



## WE BELIEVE IN

# maximum efficiency

- Ideal for large-scale commercial projects
- Suitable for new generation larger ones solar panels
- Large panel fields (max. 40x40m / 1600m<sup>2</sup>)
- Suitable for panels up to 1150 mm wide
- Pitch of 2300 mm or 2460 mm
- Angle of inclination of panels 10 degrees (depending on panel width)
- For roof material concrete, bitumen, EPDM, PVC and TPO



## WE ARE

# reliable

- Easy installation by assembled units without screws
- Aerodynamic design
- Strong system due to horizontal and vertical clutch
- Best possible panel support, two units per panel
- Tested according to international standards



## WE LOVE

# minimising risks

- Roof supports with movable coupling
- Unique thermal decoupling prevents damage to roofing
- Integrated settlement
- Low point load
- Panel clamped on the long side, acc panel supplier specifications, minimises chance on panel damage
- Panels are relieved and don't form part of the carrying system
- Meets strictest corrosion requirements

## DUAL UNIT



### Wave Dual Unit 2P

1009147 Max. panel width: 990 - 1070mm  
1009157 Max. panel width: 1070 - 1150mm



### Wave Stabilizer

1009110 2900mm  
1009111 3530mm  
1009114 4000mm

## SINGLE UNIT



### Wave Single Unit 3P

1009160 Max. panel width: 1070 - 1150mm



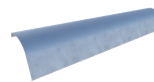
### Wave Single Unit 1P

1009161 Max. panel width: 1070 - 1150mm



### Wave Single Rear Deflector Clip

1009170



### Wave Single Rear Deflector

1009171 1525mm  
1009172 1700mm  
1009173 1875mm  
1009174 2075mm  
1009175 2225mm

## SYSTEM COMPONENTS



### Wave Wind Deflector Clamps

1009163



### Wave Wind Deflector Set

1009148 Max. panel width: 990 - 1070mm  
1009162 Max. panel width: 1070 - 1150mm



### Wave Base plate (extra)

1009120



### Wave Cable Bracket Stabilizer

1009124

## BALLAST OPTIONS



### Wave Ballast Bracket

1009123



### Wave Ballast Bracket Perimeter

1009126



### Wave Ballast Tray

1009129



### Wave Ballast Tray Extender

1009130

## ACCESSORIES



### Wave Module unlock tool

1009142



### Wave Measuring bar 2500mm

1009143



### Wave Spacer Tool

1009144

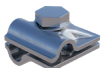
## LIGHTNING PROTECTION COMPONENTS

(Always collaborate with lightning protection experts to develop a tailored protection plan)



### Wave Lightning Connector

1009133



### Wave Lightning Connector cross

1009134



### Wave Lightning Alu wire long (21m)

1009135



### Wave Lightning Alu wire short (25cm)

1009136

