VAN DER VALK
SOLAR SYSTEMS

Developer and producer of solar mounting systems

✓ **Innovative**   ✓ **Customer-oriented**   ✓ **Reliable**
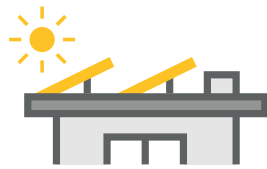
Flat roofs
Valk**Pro**+

Mounting systems for flat roofs

The solar mounting systems of Van de Valk Solar Systems for flat roofs have been developed while taking roof and wind load into consideration and thus comply with the strictest safety requirements.

Our assortment for flat roofs are well-known for their simplicity and speed of mounting. After completing the design with our calculation software, the necessary ballast (small quantity) can be ordered directly. This simplifies the logistics and installation.

Orientation: south   **Orientation: east-west**

Valk**Pro**+ L10 and L15
- Landscape mounting
- 10° and 15° tilt angle
- Pitch south: 1300, 1400, 1500 1600 or 1700 mm
- Pitch east-west: 2150, 2300, 2400 or 2500 mm
- For L10 there is an option for extra panel support in case of a high snow load or with very large solar panels
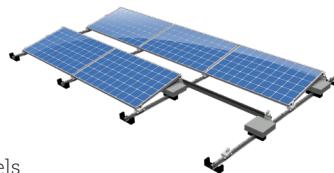
Valk**Pro**+ P10
- Portrait mounting
- 10° tilt angle
- Pitch south: 2100, 2200, 2300 or 2400 mm
- Pitch east-west: 3500, 3600, 3800, 4200, 4300, 4400 or 4500 mm

These are the advantages:

- ValkPro+ in 10 and 15 degree landscape and 10 degree portrait
- Mounting speed of 3 minutes per solar panel
- Metal connectors so it is prepared for earthing and lightning protection
- Standard application up to 25m height (higher upon request)
- Minimal number of articles required
- Low ballast, supported by the Eurocodes and windtunnel tests (specially tested for PVC roofs)
- Suitable for all sizes of solar panels
- Fitted with flexible, soft rubber feet for absorbing expansion and shrinkage and protecting roof
- Panel clamps standard with stainless steel plate for electrical bonding

Pitched roofs
Valk**Pitched**

Mounting systems for pitched roofs

When developing mounting systems for roofs, ease of mounting and speed are the most important points of attention.

Flexibility is another important point. There are many types of pitched roof, after all, each with its own requirements for a secure attachment. Our assortment for pitched roofs is both well designed and complete.

The systems are applicable to many different types of roof, with of course the right, secure roof attachment for every pitched roof.
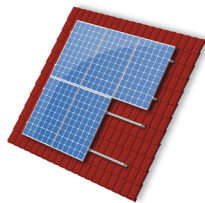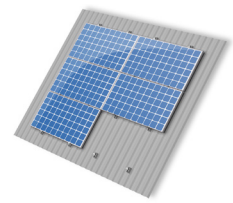
Valk**Pitched - Tiled**

- Standard roof tiles
- Slate roof tiles

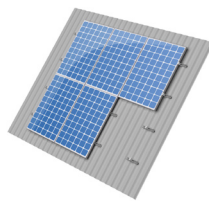### Valk**Pitched - Trapezoidal**

- Steel roof/sandwich

Valk**Pitched - Corrugated**

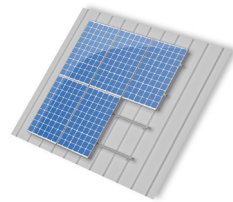- Eternit corrugated roof
- Steel corrugated roof

Valk**Pitched - Standing Seam**

- Standing seam flat
- Standing seam round

### Valk**Pitched - Plain Covering**

- Bitumen
- PVC
- EPDM

These are the advantages:

- Complete range of roof solutions such as tiled roofs, steel roofs, corrugated roofs, bitumen roofs and seamed joint roofs (Kalzip)
- Only 2 types of panel clamps as they are adjustable (28-40mm)
- Only 1 type of profile (available in various lengths in aluminium and black colour)
- Standard profile lengths long enough to suit the biggest sizes of solar panels (less sawing waste)
- For tiled roofs the possibility to screw (Smartline, Strongline and hanger bolt) and hang (Slimline)
- Prepackaged kits possible like ValkBox
- Rapid mounting due to extensive premounting of parts
- Standard application up to 25m height (higher upon request)
- Panel clamps standard with stainless steel plate for electrical bonding
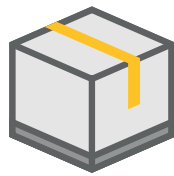
Valk**Kits**

Our ValkKits and other clever solutions

We are a one-stop shop for solar systems and everything concerning the mounting of PV-panels. Along with mounting systems for flat and pitched roofs, we are also specialised in solutions for extension and lean-to roofs, garages or apartment buildings and ground mount systems.

Minimise your stock holding with our ValkKits. The pre-packed format reduces both picking time and mistakes.

| Flat roofs | **ValkDouble / ValkTriple / ValkQuattro**
• Up to twice as many panels on a roof
• Universal mid-clamp and endclamps (H 28-40 mm)
• Minimal height due to small fixed tilt angle of 10°
• Can also be used as grount mount system | |
| Flat roofs | **ValkBox3**
• Mounting for one solar panel
• Very easy to mount
• For roofs with many obstacles | |
| Pitched roofs | **ValkBox - Slimline / Smartline / Strongline**
• Mounting system for pitched roofs with roof tiles
• All of the small mounting materials packaged as kit in one box
• Nine variants for lay-outs with up to nine panels per row | |
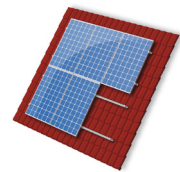
Ground mount

All versions of the ValkPro+ can be conveniently placed on open spaces such as an abandoned industrial area.
No foundation points in the ground are required, which makes this system for projects on capped water reservoirs for example.

The system is easy to install, eliminates the need for heavy machinery and, thanks to the simple logistics, even faster to install than a flat roof system. The special concrete foundation feet provide the required ballast, offer stability and raise the system, which simplifies maintenance. An anti-weed membrane is often used to prevent unwanted growth around the system.

| Ground | **ValkPro+**
• No ground penetration and heavy machines needed
• Special foundation blocks take care of height, ballast and stability
• All variants of ValkPro+ possible | |

Calculation software

www.valkpvplanner.com

## Our online calculation software

With the free to use ValkPVplanner, every flat or pitched roof project can be designed via satellite images, a building drawing prepared by you, or simply by specifying the number of panels desired. The result is a detailed manual including installation drawings and material lists, and for flat roofs a ballast overview.

The ValkPVplanner is user-friendly, it can be linked to your webshop and/or another PV programme via an API connection. Default values for the most common variables provide rapid insight into the possibilities for your project.

Option 1: Simple mode
Draw a system without a building
- Draw **a system** on a blank sheet
- Specify the number of panels per row and the number of rows

SIMPLE MODE
Without building
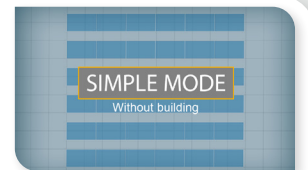
Option 2: Satellite map
Draw a system on a existing building
- Draw **the system** on an existing roof using satellite images, such as Google Maps
- Quickly and easily define the mounting material for multiple and different roof surfaces

SATELLITE MAP
Existing building

Option 3: White map
Draw a system on a new building
- Draw **a system** on a blank sheet
- For new buildings, it is sufficient to state the building dimensions

WHITE MAP
New building

Cable management
Valk**Cable**Care

Van der Valk Solar Systems offers a complete range of cable management products under the name ValkCableCare. With these products the cabling of the PV-system can be arranged in a neat, safe and quick manner.

Cable baskets
- Wide range of cable baskets, lids, dividers and accessories
- Special roof support for one, two or even three cable baskets next to each other
- Cable baskets can be positioned in the recesses of the rubber tile carriers of the ValkPro+ system
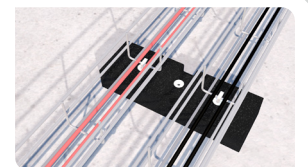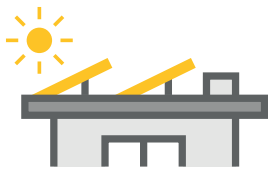
Cable clamps
- Effective solutions for tying up DC & AC cables and connectors
- Cable clamps can be secured to profiles, roof carriers and solar panels
- Various accessories for evening out surfaces
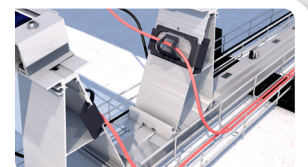
Solar mounting systems & cable management

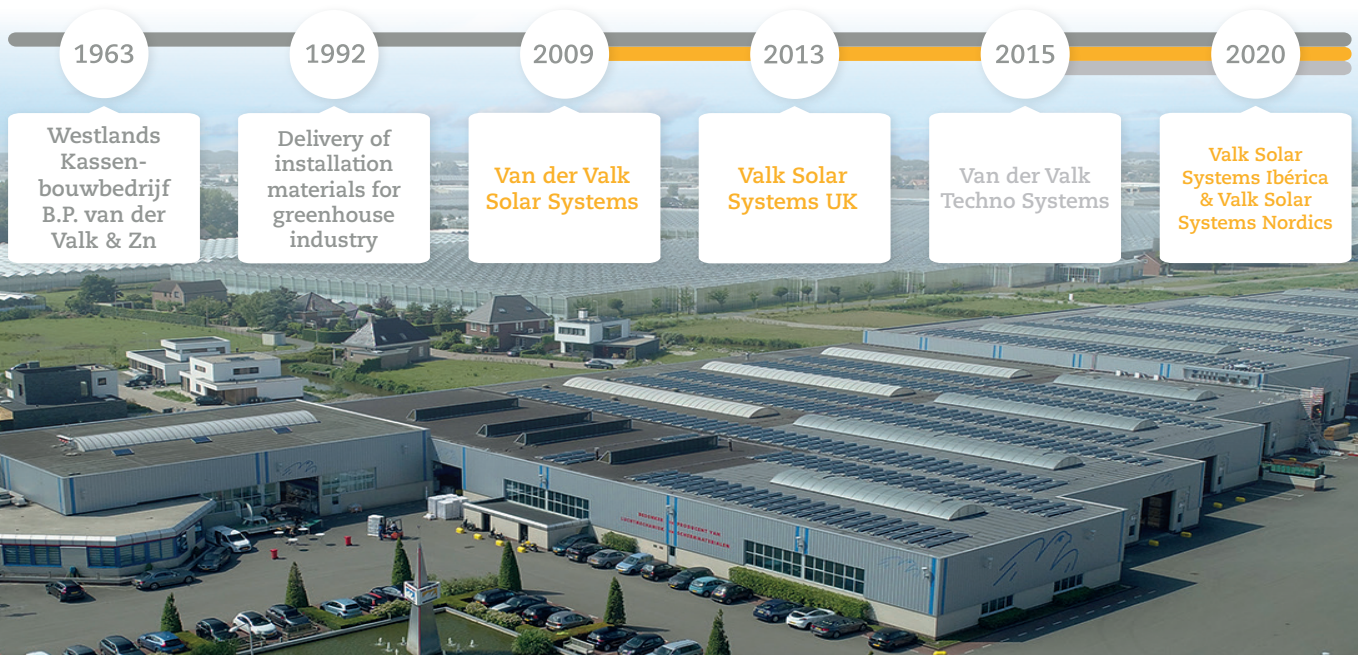**Flat roofs**

Pitched roofs

Ground mount

Cable management

- Innovative systems designed according to globally valid norms
- Fast and reliable deliveries thanks to modern machine park and large stocks
- System supplier since 1963
- Free to use software for project design and calculation
- Rapid mounting thanks to pre-mounting of essential components
- Extensive technology and marketing support
- Committed and entrepreneurial family-owned company

1963
Westlands Kassen-bouwbedrijf B.P. van der Valk & Zn

1992
Delivery of installation materials for greenhouse industry

2009
Van der Valk Solar Systems

2013
Valk Solar Systems UK

2015
Van der Valk Techno Systems

2020
Valk Solar Systems Ibérica & Valk Solar Systems Nordics

CONTACT DETAILS | DEVELOPER AND PRODUCER OF SOLAR MOUNTING SYSTEMS

VAN DER VALK
SOLAR SYSTEMS

MCS CERTIFIED kiwa

Van der Valk Solar Systems + *International*
Westernesse 18 - 2635 BG Den Hoorn, The Netherlands
+31 174 25 49 99
sales@valksolarsystems.com

Valk Solar Systems UK + *IE*
+44 1304 89 76 58
sales@valksolarsystems.co.uk

Valk Solar Systems Ibérica
+34 699 326 544
ventas@valksolarsystems.es

Valk Solar Systems Nordics
+46 7 24 41 60 82
sales@valksolarsystems.se

www.valksolarsystems.com

in Van der Valk Solar Systems International   valksolar   f Van der Valk Solar Systems International   Valksolar