

**VAN DER VALK**



Developer and producer  
of solar mounting systems



✓ Innovative

✓ Customer-oriented

✓ Reliable



## 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

#### ValkPro+

- Suitable for all panel sizes
- Landscape mounting
- 10° tilt angle
- South and east-west mounting
- Option for extra panel support in case of a high snow load or with very large solar panels
- Option to fixation to the roof with ValkSolarFix



#### ValkPro+ Max

- For maximum solar panel load
- Portrait mounting
- 10° tilt angle
- South and east-west mounting
- Option to fixation to the roof with ValkSolarFix



## These are the advantages:

- ValkPro+ in 10 degree landscape and portrait
- Mounting speed of 3 minutes per solar panel
- 100% equipotential bonding
- Certified for lightning protection
- Specific approval for Germany (abZ)
- 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)
- Fitted with flexible, soft rubber feet for absorbing expansion and shrinkage and protecting roof
- Panel clamps standard with stainless steel plate for equipotential bonding
- Smart and safe cable management

# Pitched roofs

## ValkPitched



### 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.

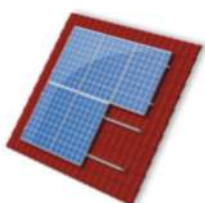
#### ValkAce



Standard roof tiles



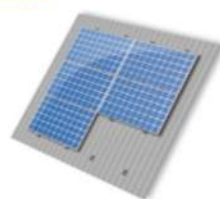
Slate roof tiles



#### ValkPitched - Trapezoidal



Steel roof/sandwich



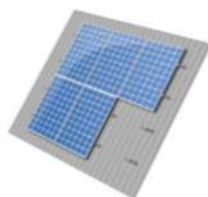
#### ValkPitched - Corrugated



Eternit corrugated roof



Steel corrugated roof



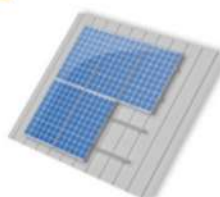
#### ValkPitched - Standing Seam



Standing seam flat



Standing seam round



#### ValkPitched - Plain Covering



Bitumen



PVC



EPDM



#### ValkPitched - Mediterranean



Fixed roof tiles



### 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 (25-40mm)
- Only 1 type of profile (available in various lengths)
- 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 equipotential bonding
- Smart and safe cable management





## 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 25-40 mm)
- Minimal height due to small fixed tilt angle of 10°
- Can also be used as ground mount system



### Flat roofs

#### ValkBox3

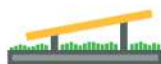
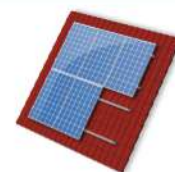
- Mounting for one solar panel
- Very easy to mount
- For roofs with many obstacles



### Pitched roofs

#### ValkBox - Slimline / Smartline / Strongline / Boltline

- 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



### Option 2: Satellite map

Draw a system on an 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



### 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



## Cable management ValkCableCare



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

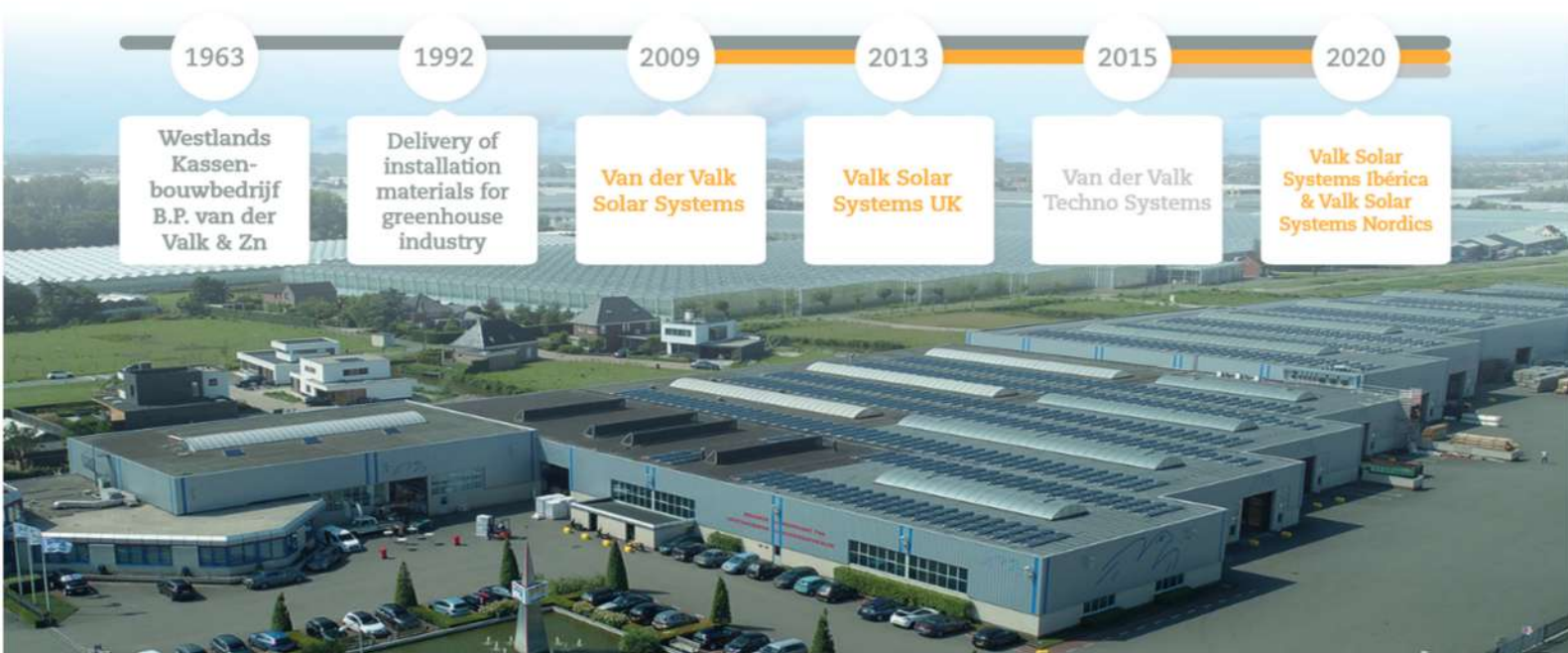


Ground mount



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



## CONTACT DETAILS | DEVELOPER AND PRODUCER OF SOLAR MOUNTING SYSTEMS



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