

VAN DER VALK



ValkPro+ South



ValkPro+ East West

Datasheet **ValkPro+**

Equalization of potentials and grounding

Equalization of potentials

The ValkPro+ system is made from electrically conductive metal parts: in longitudinal direction through connected steel roof carriers and in width direction through steel mass carriers and/or back plates*. The conductivity of the ValkPro+ system is high enough to be part of the equalization of potential in the PV-system. Measurements performed by a certified external company on an existing ValkPro+ system that has been on a roof for many years, shows that the change in conductivity is negligible even after exposure to all weather conditions for a long period.

Grounding

Grounding of the PV-system, including the construction materials (in this case: ValkPro+ system), is mandatory according to NEN1010. Thanks to the high conductivity of the coupled parts of the ValkPro+ system, it is sufficient to connect one grounding cable to each (split) system, for example by connecting to the steel roof carrier. Keep in mind the grounding cable should always have a diameter equal to or larger than the largest diameter for the electrical cables in the AC- or DC-system. The grounding of the construction materials of the PV-system should only be carried out by a person certified to work on electrical installations.

**In case the ValkPro+ system does not have mass carriers or back plates in the set-up, it is mandatory to connect each row of roof carriers with an electrical cable to the roof carrier where the grounding cable is placed.*

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