

PV SOLAR RAILLESS ROOF MOUNTING STRUCTURE SOLUTION

The Valsa Railless roof mounting structure provides a solution for installing solar panels on various flat and pitched roofs found on commercial, industrial, and domestic buildings. The Railless solution requires an engineering design and is dependent on site conditions. The type and size of the solar panels selected will determine the arrangement of the final components. Various options are available on request for different types of roofs and site specific.

A structural engineer needs to verify the strength of the roof sheeting performance to ensure the application meets building standards and performance requirements. All the components tested and approved by South Africa roof manufacturers, ensuring roof warranties and guarantees remain intact for PV solar installations on existing and new roofs.

The solution has been designed and manufactured to SABS standards, is in line with SANS regulations and take African building regulations into consideration. The roof mounting structure solution is ideally suited for African weather conditions.

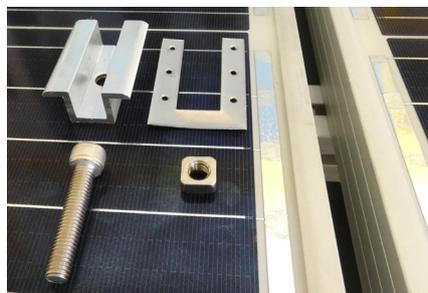
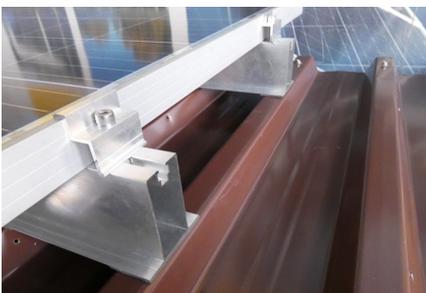
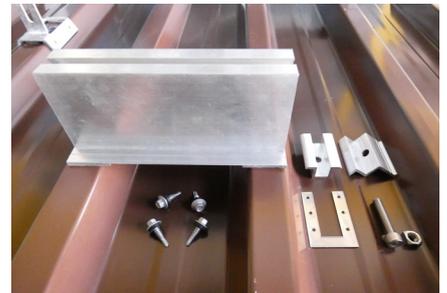
Custom made solutions can be designed and manufactured on request.

CHARACTERISTICS

Versatility	<ul style="list-style-type: none"> • Standard versatile mounting structure solutions and components for various types of roofs • Flexible design for improved PV Solar performance • Accommodate standard nuts and bolts
Design	<ul style="list-style-type: none"> • Structural engineering compliant • Standard components • Easy mechanical assembly • High quality material
Flexible	<ul style="list-style-type: none"> • Accommodate customer requirements • Both penetrative and non-penetrative option available • Quick and easy to install
Panel orientation	<ul style="list-style-type: none"> • Portrait and landscape
Cost effective	<ul style="list-style-type: none"> • Cost effective PV solar roof solution
Tools	<ul style="list-style-type: none"> • Standard equipment for all installations
Manufacture	<ul style="list-style-type: none"> • Locally manufactured
Long life span	<ul style="list-style-type: none"> • Aluminium structure has a long life
Maintenance	<ul style="list-style-type: none"> • Low maintenance
Warranty	<ul style="list-style-type: none"> • 10 years site dependant

SPECIFICATIONS

Material	<ul style="list-style-type: none"> • Aluminium structure - Alloy 6063
Tilt	<ul style="list-style-type: none"> • Flat and elevated
Components	<ul style="list-style-type: none"> • Aluminium components • Stainless-steel fixing components
Certification	<ul style="list-style-type: none"> • SABS standards and SANS regulations



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