

Believe **Solar Energy** , Believe **HAMAK[®]**

Roof Mounting | Ground Mounting | Carport Mounting | Patent Component

- ✓ Aluminum Alloy Extrusion Forming
- ✓ Waterproof & Weather Resistance
- ✓ Safety, Ease of Installation and Use





Mounting Accessories

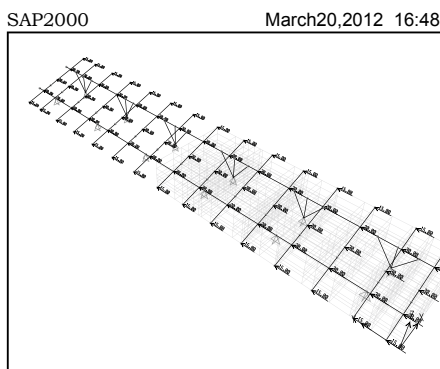
Features and advantages

- Structural integrity analysis is simulated utilizing SAP2000.
- Tensile and load strength of key components are tested and verified to comply with structural requirements.
- Design can be customized based on different countries and environmental factors such as wind load, snow load and seismic force.
- Extruded 6005-T5 aluminum alloy rails are fastened with screws made of stainless steel SUS304.
- Mounting structure is rendered weather resistant by treating surface with 7 μ m anodizing + 7 μ m acrylic painting.
- Mechanical structure is designed with safety and easy installation in mind, expediting installation process and reducing cost.
- The flexible nature of mounting design translates into compatibility with various types of solar modules.

Structural design



SAP2000 analysis



Molding process



Structural testing



Sample assembly

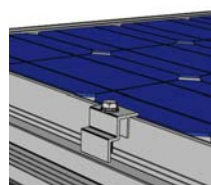
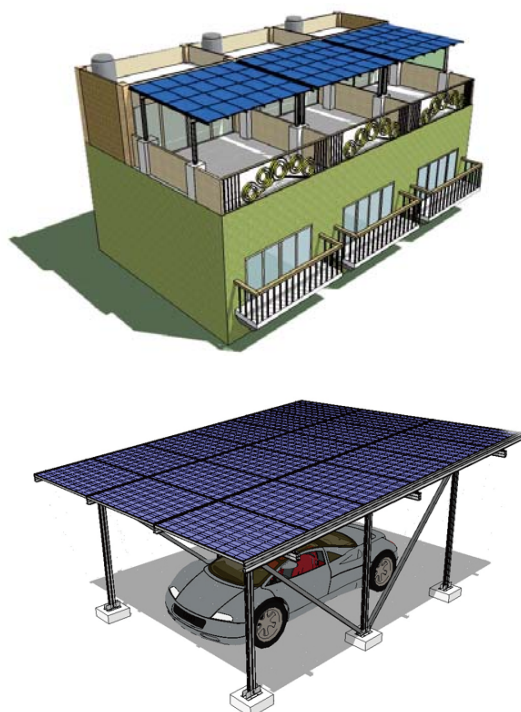


Production

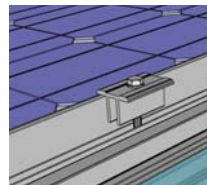




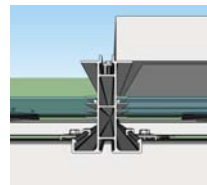
Skywalker series Awning Mounting



① End clamps



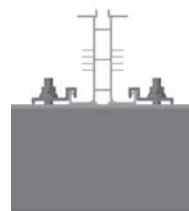
② Middle clamps



③ Waterproof plastic board



④ Cross connection

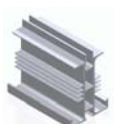


Features and advantages

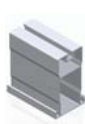
- Elevated structure is ideal for canopy or carport applications.
- Waterproof treatment is customizable based on design and such structure is suitable for modules fitted with frame.
- Wider rail span helps reduce material cost and save installation time.
- Cross-joint connection of aluminum rails is achieved using patented connectors designed for quick and easy installation.
- Stainless steel bolts and nuts are used to firmly fasten structure and ensure the highest level of safety.



Specification



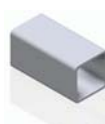
AL-8060-003
Aluminum rails



AL-10550-01
Aluminum rails



AL-12550-02
Aluminum rails



AL-12550-03
Aluminum rails



AL-4040-022
End clamps



AL-4040-023
Middle clamps



AL-10060-003
T type connector



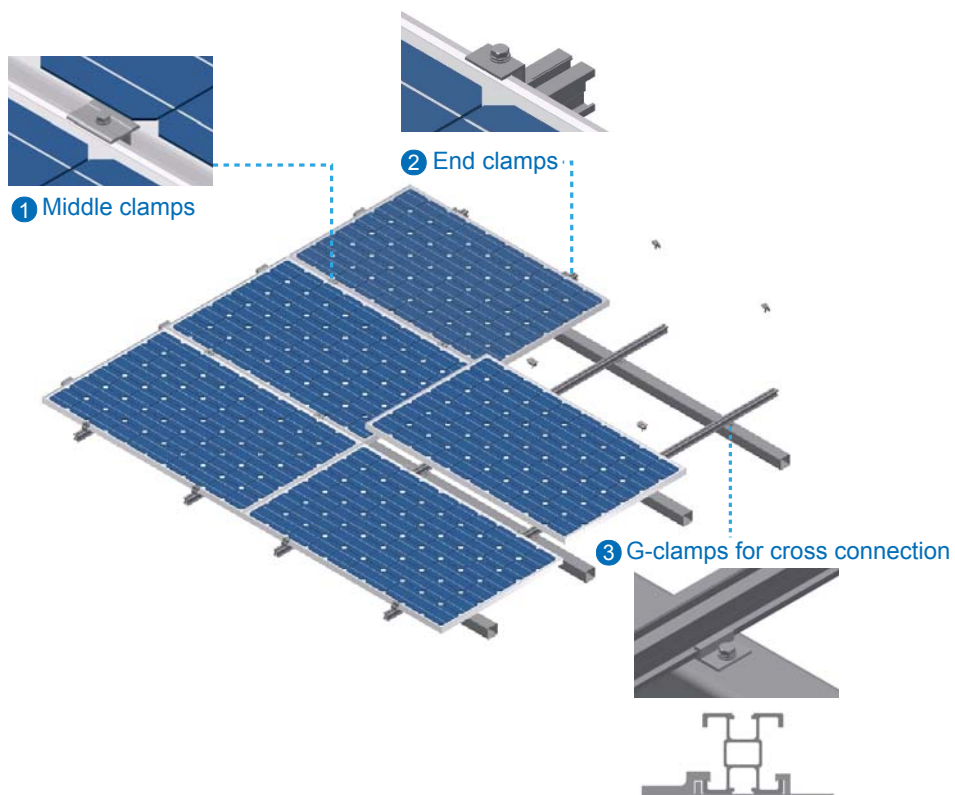
AL-12550-06
Foot plate



AL-12550-14
Cross connector



Minerva Series G-Shaped Roof Mounting

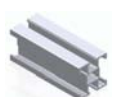


Features and advantages

- Suitable for universal frame consisting of H-, C-beams or square pipes.
- Installation is easier and faster, saving both time and money.



Specification



AL-4040-007A
Aluminum rails



AL-4040-008
G1 rail connector



AL-4040-009
G2 rail connector



AL-4040-005
μ type bracket1



AL-4040-006
μ type bracket 2



AL-4040-010
Exclusive patch
(single hole)



AL-4040-011
Exclusive patch
(twin hole)



AL-4040-016
Utype bracket



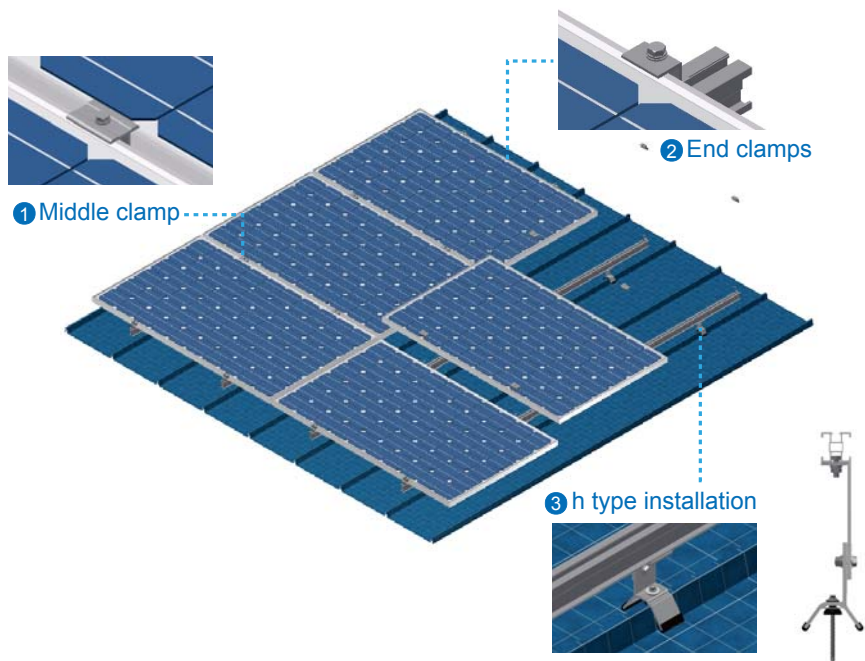
AL-4040-022
End clamps



AL-4040-023
Middle clamps



Jupiter Series h-Shaped Roof Mounting

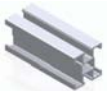


Features and advantages

- One fastening set consists of a special h-shaped bracket, making module height adjustable.
- Suitable for universal corrugated and trapezoidal metal roofs.
- The unique dome washer serves as leak proof seal
- Price competitiveness due to quick installation design.

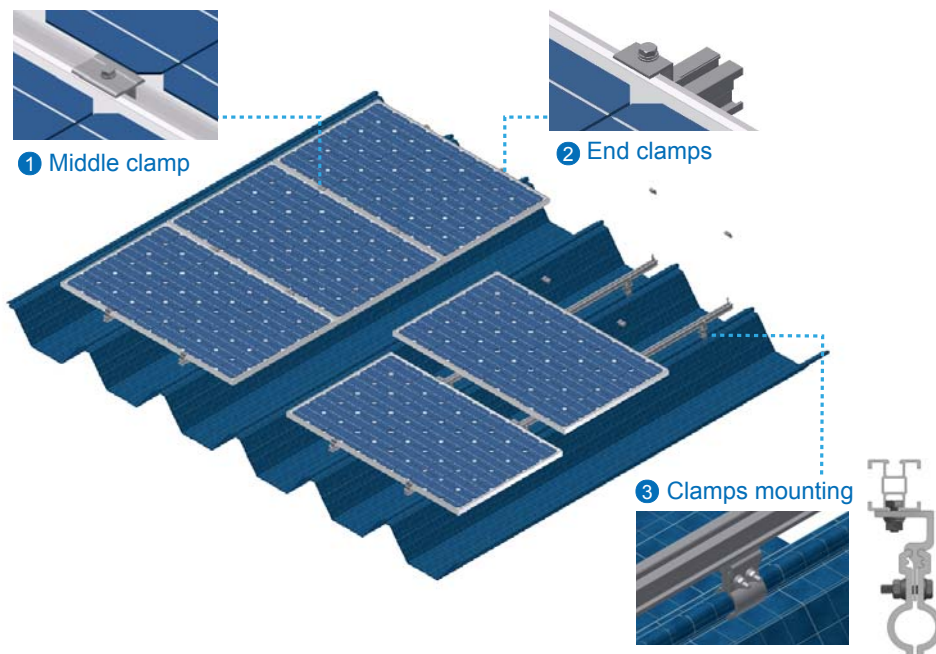


Specification

						
AL-4040-007A Aluminum rails	AL-4040-022 End clamps	AL-4040-023 Middle clamps	AL-4040-045 h type bracket	AL-4040-046 h type bracket	AL-4040-032 Adjustable connector	AL-4040-037 Adjustable connector
						
Domed washer Stainless + EPDM rubber	Self-drilling screws C1035+SUS304	Waterproof gasket Stainless + EPDM rubber				



Juno Series Clamp Holder Roof Mounting

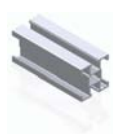


Features and advantages

- Specialized for different types of standing seam roof.
- No roof penetration, no problem in leaking proof.
- High holding forces with stainless steel screws.
- Installation is easier and faster, saving both time and money.



Specification



AL-4040-007A
Aluminum rails



AL-4040-022
End clamps



AL-4040-023
Middle clamps



AL-5060-006
Rail connector



AL-5060-002
O clamp holder



AL-5060-005
Clamp holder



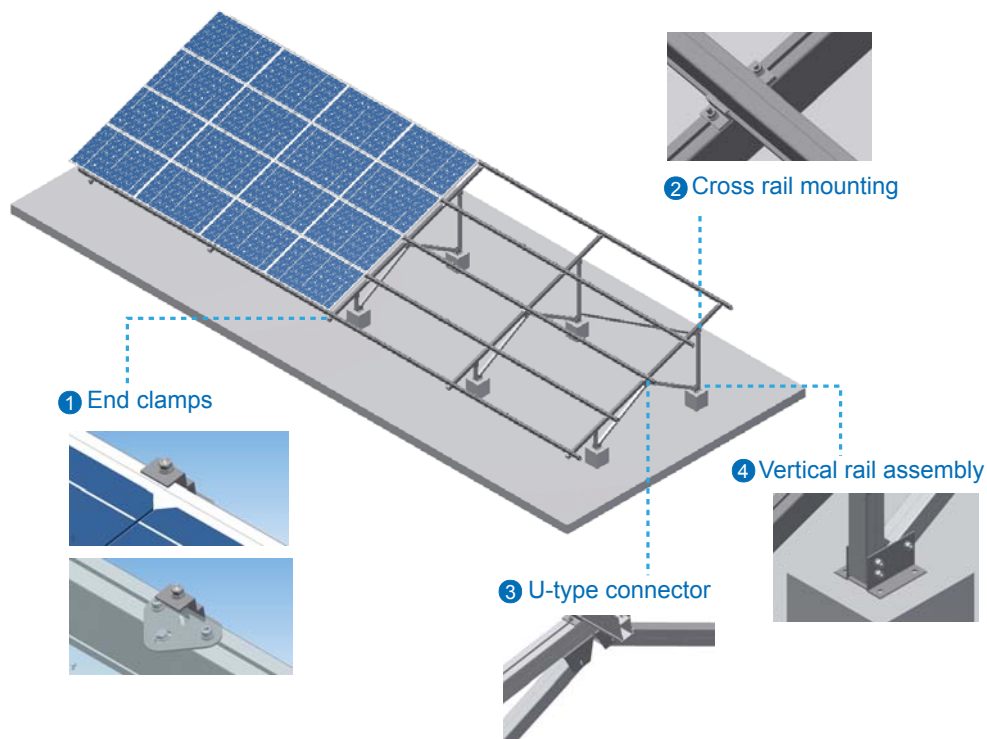
AL-5060-007
Clamp holder



Hercules series Ground(Farm) Mounting



Source: <http://www.tess-eng.co.jp/case/solor>

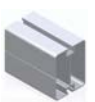
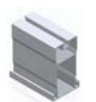


Features and benefits

- Specifically designed for large-scale PV plants, be it ground screw or concrete base.
- Wider rail span helps reduce the material cost and save installation time.
- Patented rail connector simplifies the cross-joint and splice connection.

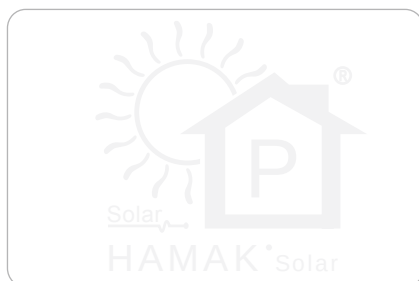


Specification

						
AL-6060-001 Aluminum rails	AL-8060-004 Aluminum rails	AL-10550-01 Aluminum rails	AL-4040-022 End clamps	AL-4040-023 Middle clamps	AL-10060-004 Foot Plate	AL-10550-02 U rail connector
					• All specifications are subject to change without prior notice. Please contact with us for updated information.	
AL-10550-03 G1 rail connector	AL-10550-04 G2 rail connector	AL-9090-01 Diamond plate	AL-9090-02 Diamond plate	AL-9090-03 Backside bolting plate		



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