



قُدْرَة
Qudra

Aluminum Mounting Structure
General Manual





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للتواصل معنا

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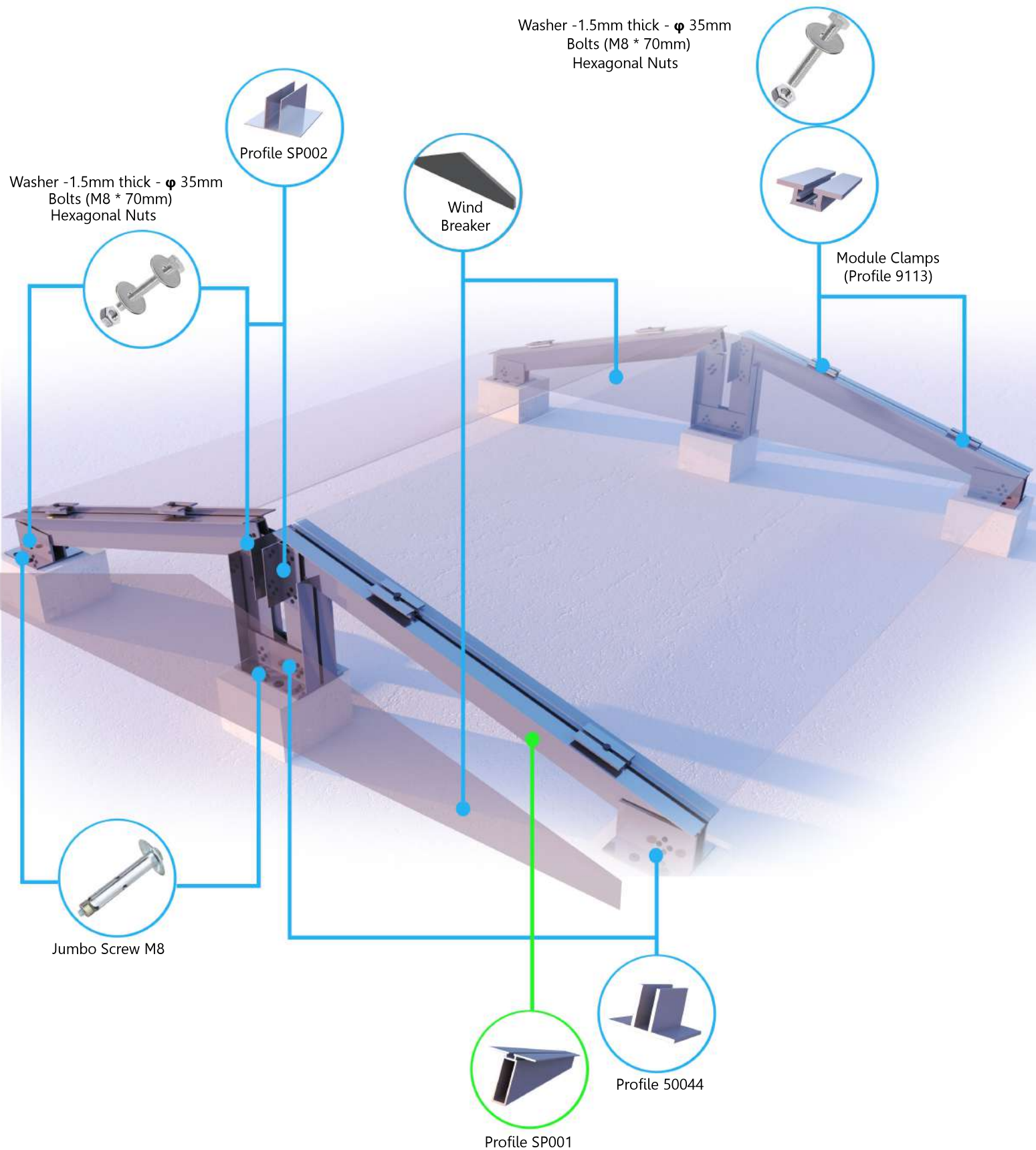


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Flat Rooftop
East-West Orientation-Landscape



Ramallah, Palestine

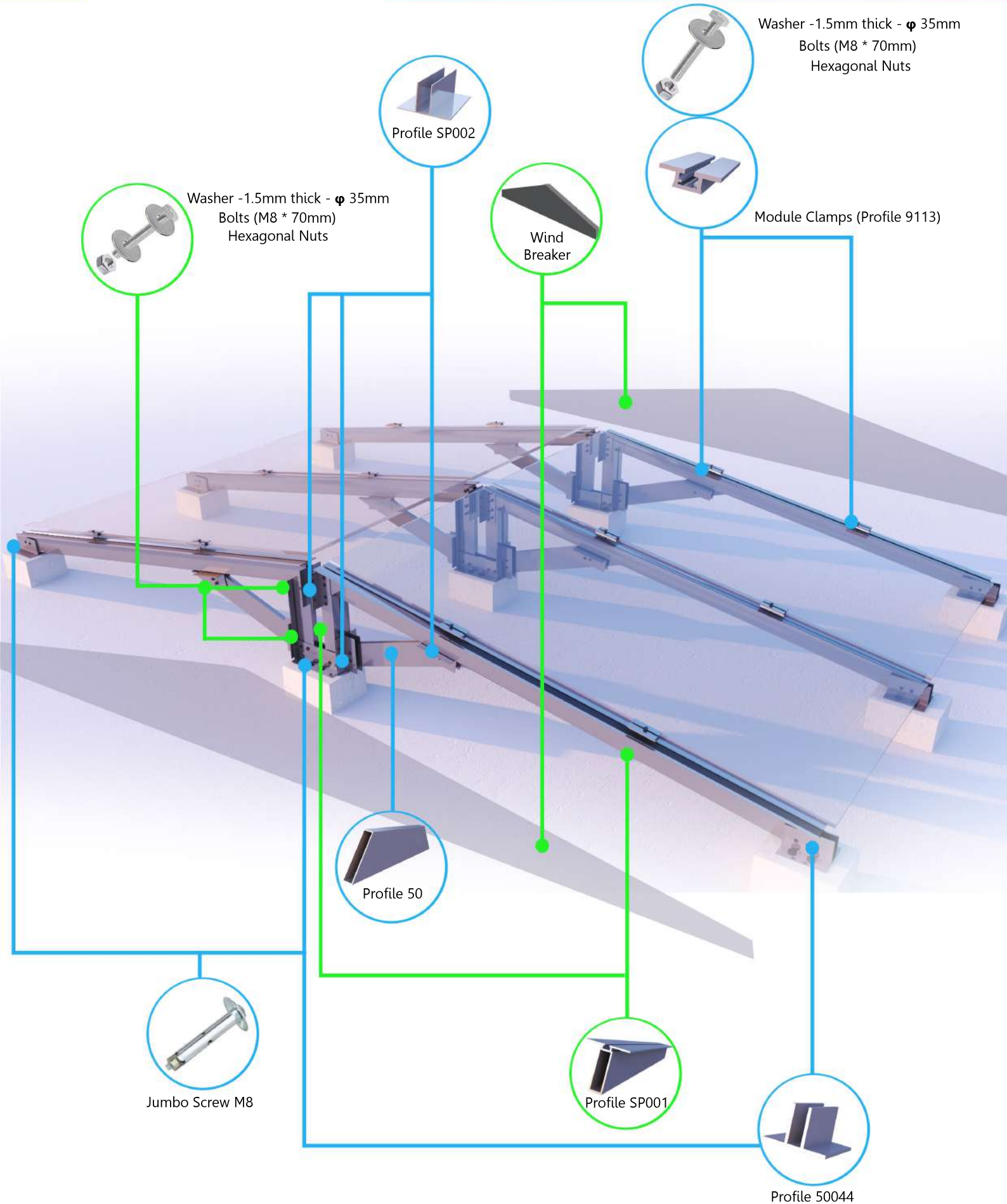


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Flat Rooftop
East-West Orientation - Portrait



Ramallah, Palestine

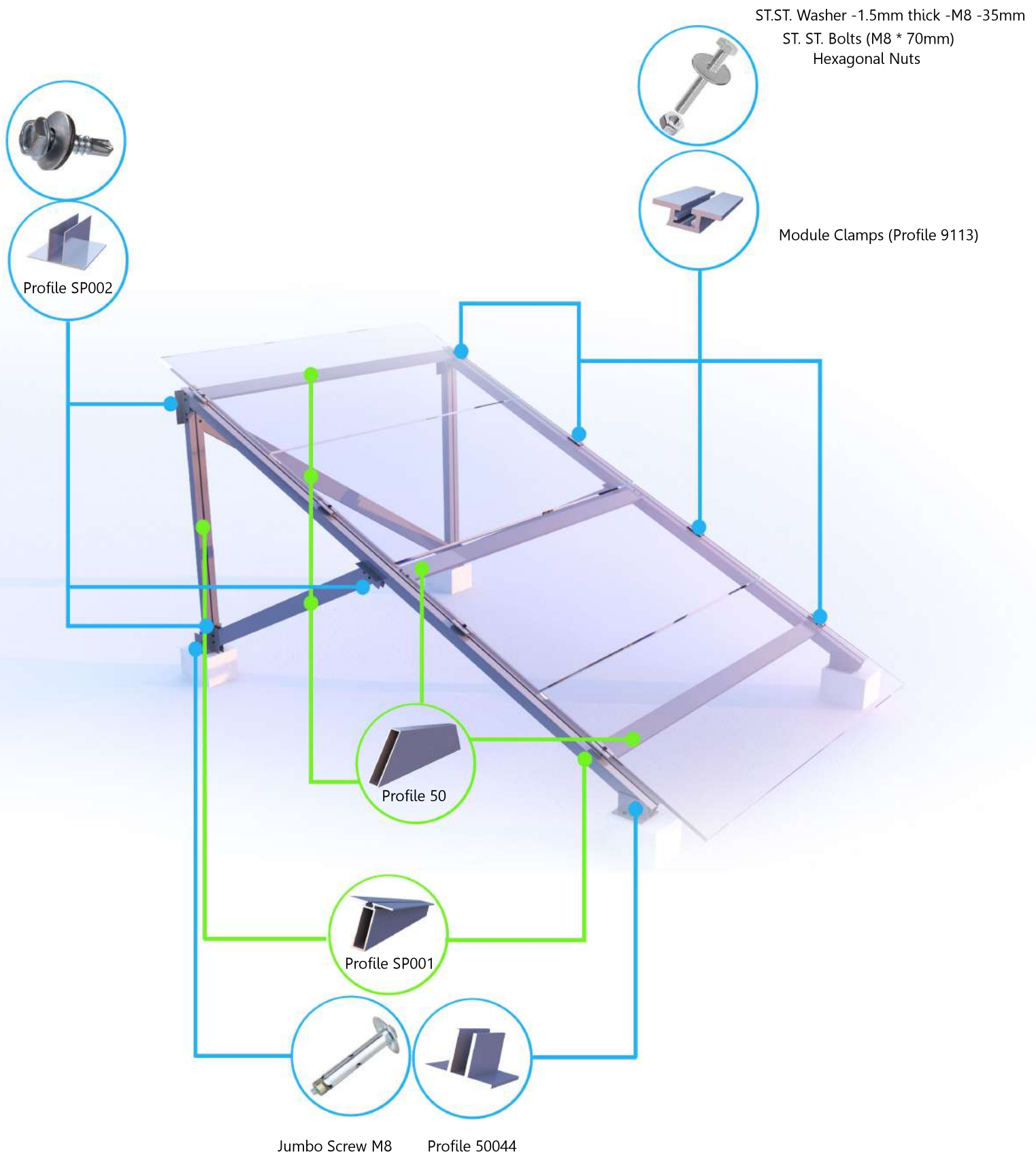


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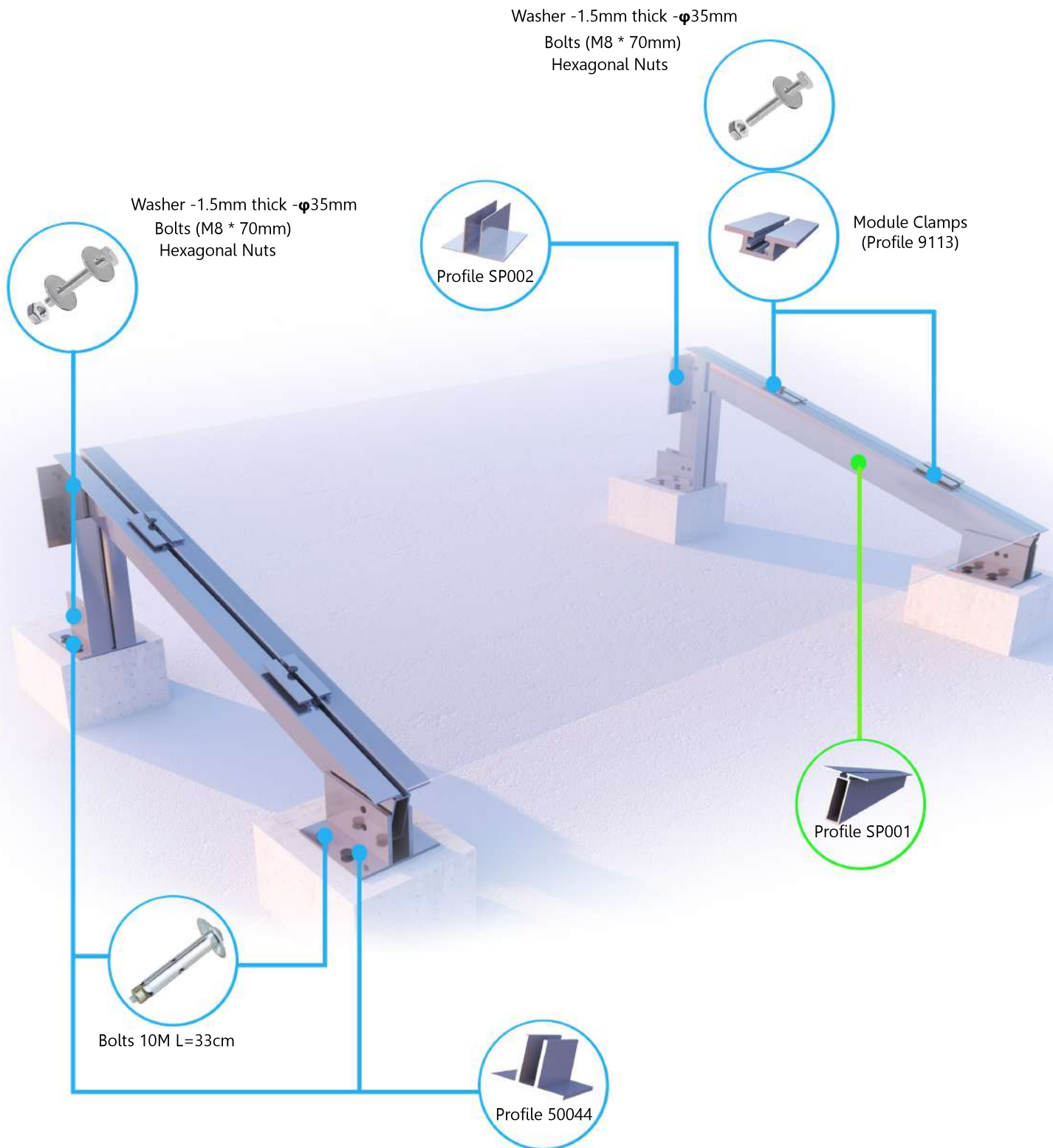


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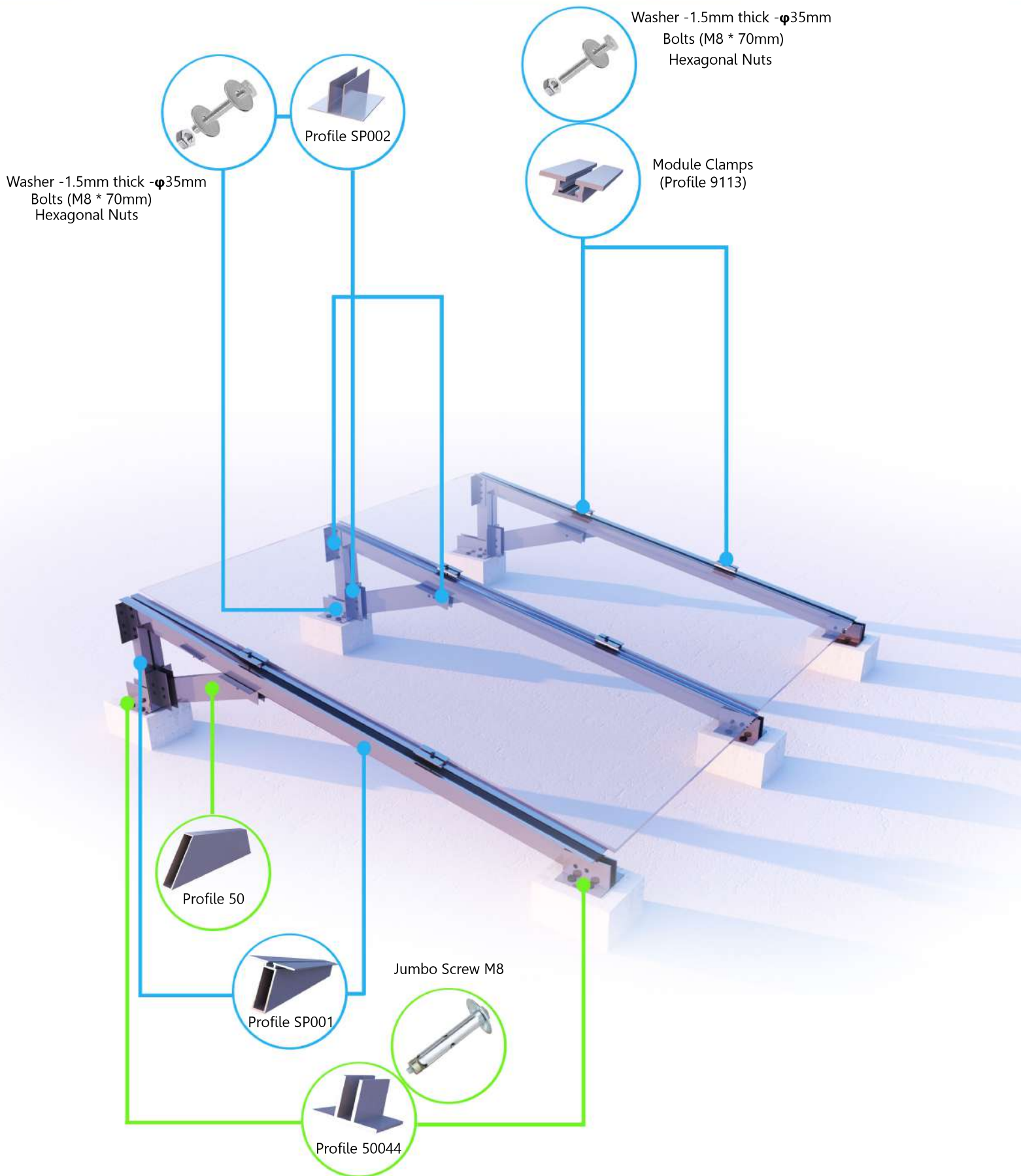
Flat Rooftop- Single orientation
4 Panels - Landscape



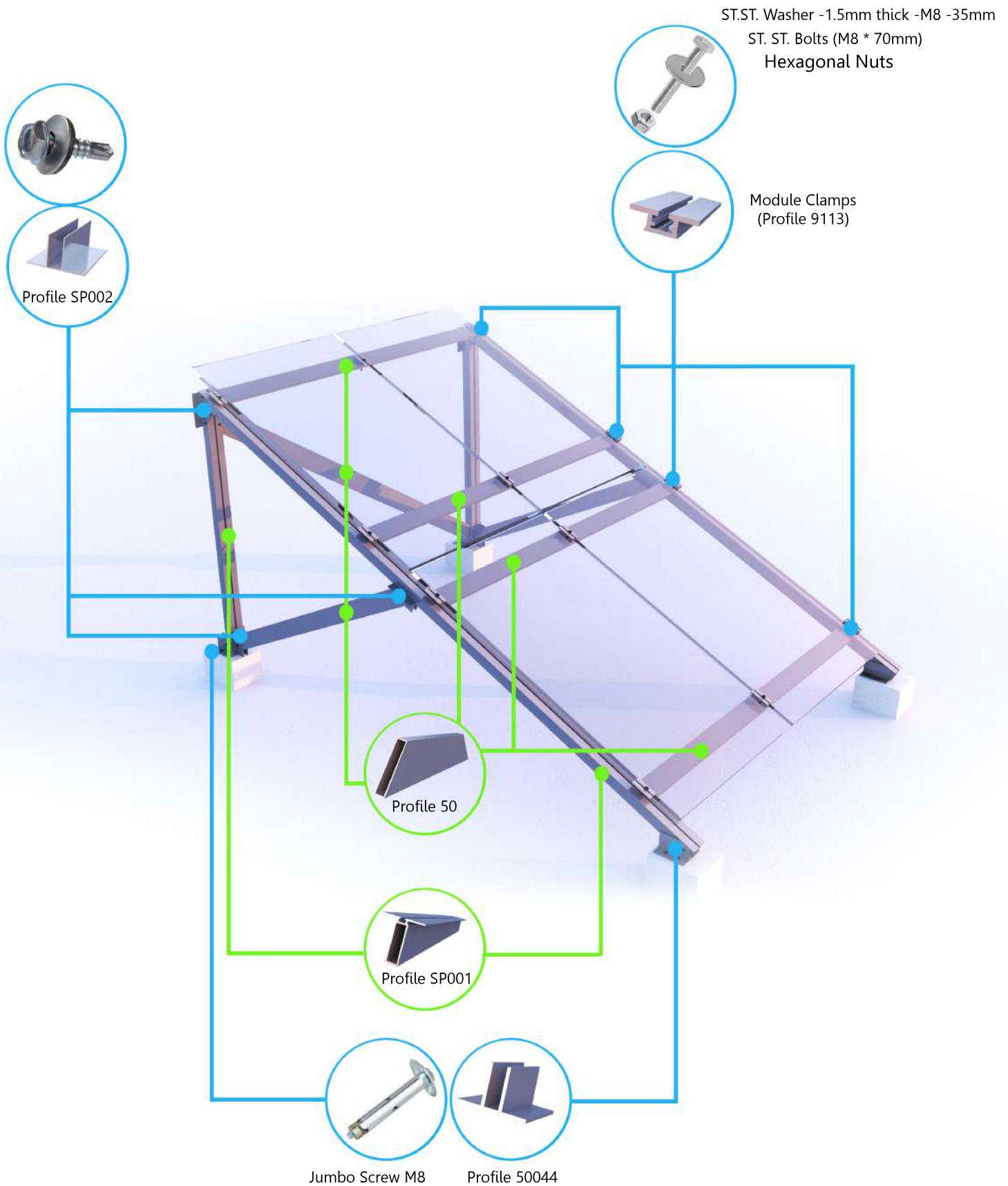
Flat Rooftop- Single Orientation
Single Panel- Landscape



Flat Rooftop- Single Orientation Single Panel- Portrait



Flat Rooftop- Single Orientation
2 Panels- Portrait

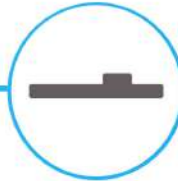


Corrugated Sheets Rooftop

Corrugated Sheets



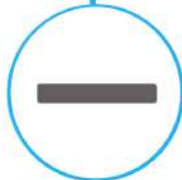
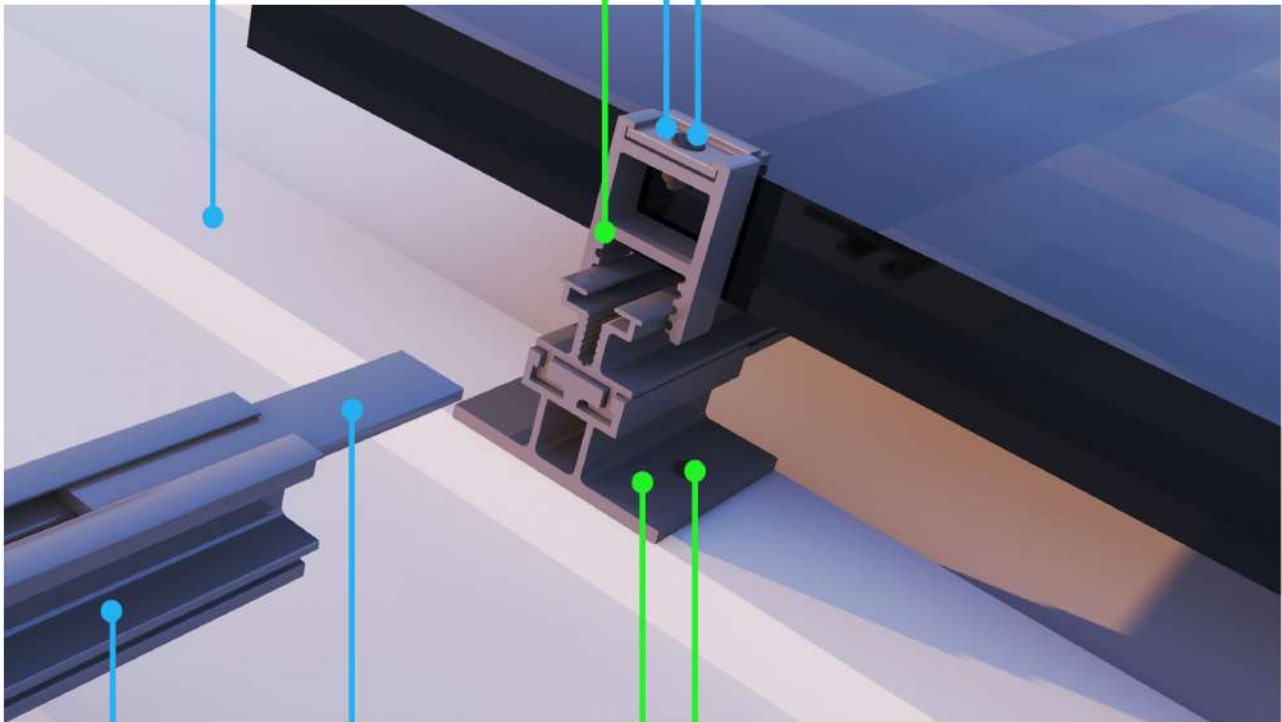
Profile No: SP203



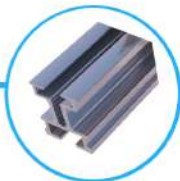
Profile No: SP205



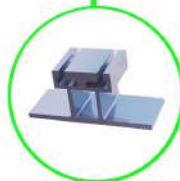
Washer - 1.5mm thick - ϕ 35mm
Bolts (M8 * 70mm)



Profile No: SP206



Profile No: SP201



Profile No: SP202



Self-tapping Plate Screw
6.0 X 25



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Ground-Mount .in Panels Landscape

Flexible design according to Geotechnical test results.



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Technical Datasheet

EXTRUSION INGOT

Technical Datasheet

AlMgSi alloy 6063

APPLICATION

Typical examples for use of this alloy are:

- Architectural members, i.e. glazing bars and window frames
- Windscreen sections
- Road transport

ALLOY

Chemical composition

%	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Other elements		Al
									**		
									Each	Total	
Min.	0,40	0.18	-	-	0.45	-	-	-	-	-	Balance
Max.	0.45	0.22	0.02	0.03	0.50	0.02	0.02	0.02	0.02	0.10	

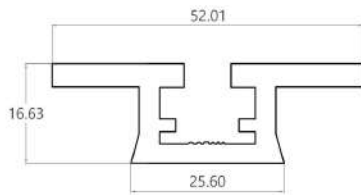
**Impurities less than 0.1% with low H content.

Mechanical properties

Hardness	Tensile strength	Yield strength	Elongation	Modulus of elasticity
67 (HBW)	200 MPa	180 MPa	11 %	69 kN/mm ²

Strength

Obtainable mechanical properties may vary with the production equipment, process parameters used in extrusion and consistency of the process parameters. We recommend that this is checked out for each production line. However, the alloy is developed to satisfy the Temper AA-T5.(Aged for 5 hours at 185°C)



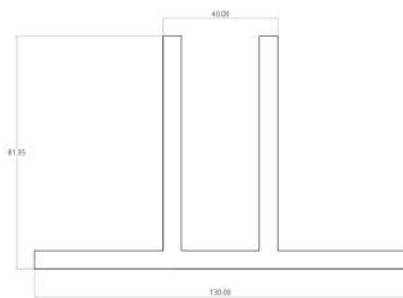
Profile No: 9113

Ixx: 56.41 cm⁴
Iyy: 10.67 cm⁴



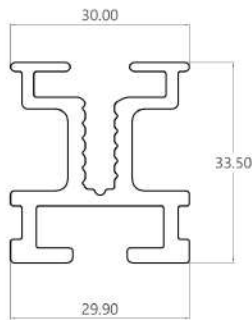
Profile No: 50

Ixx: 230.36 cm⁴
Iyy: 20.27 cm⁴



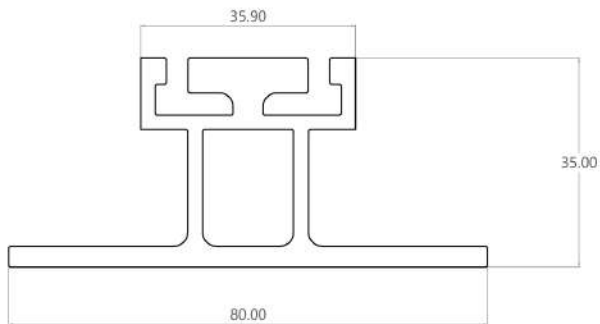
Profile No: 50044

Ixx: 143.541 cm⁴
Iyy: 118.091 cm⁴



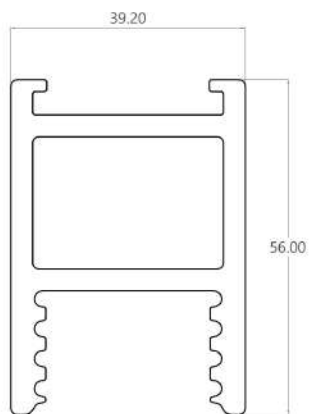
DIE NO: SP201

lxx: 26.62 cm⁴
lyy: 35.77 cm⁴



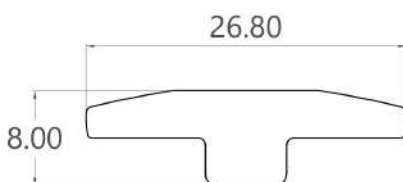
DIE NO: SP202

lxx: 187.13 cm⁴
lyy: 114.97 cm⁴



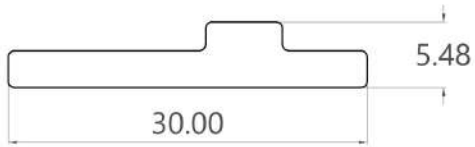
DIE NO: SP203

lxx: 162.01 cm⁴
lyy: 177.76 cm⁴



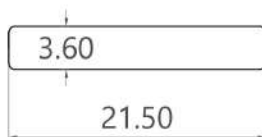
DIE NO: SP204

lxx: 5.18 cm⁴
lyy: 0.45 cm⁴



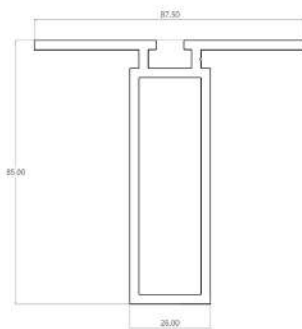
$I_{xx}: 7.23 \text{ cm}^4$
 $I_{yy}: 0.17 \text{ cm}^4$

DIE NO: SP205



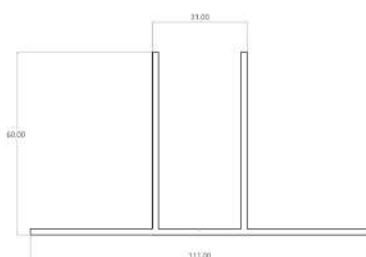
$I_{xx}: 2.95 \text{ cm}^4$
 $I_{yy}: 0.8 \text{ cm}^4$

DIE NO: SP206



$I_{xx}: 754.66 \text{ cm}^4$
 $I_{yy}: 238.47 \text{ cm}^4$

Profile No: SP001



$I_{xx}: 27.679 \text{ cm}^4$
 $I_{yy}: 16.717 \text{ cm}^4$

Profile No: SP002

Contact Us



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