

THE COMPANY

Specialized in the distribution of PV modules, kits and components, MPrime focuses on flexibility, excellence in service and continuous technological innovation, in order to provide our clients all over the world with the best portfolio, service and warranties. Part of Martifer Solar, MPrime benefits from a wide international experience in solar photovoltaic installations.

SMARTROOFING PREMIUM FLAT ROOF SOLUTION

MPrime Smartroofing Flat Roof Solution has been designed for the installation of tilted modules on rooftops. For the material used, anodized aluminium, it is especially adapted to aggressive environment including maritime one. The safe installation on rooftop is guaranteed by foundation supports. It is adapted for the use of independent modules systems.

ADVANTAGES

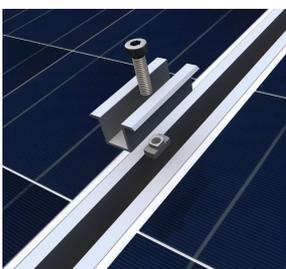
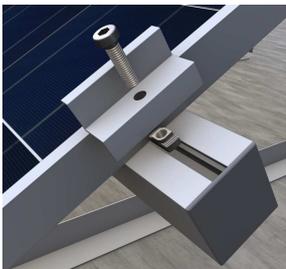
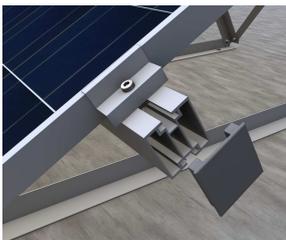
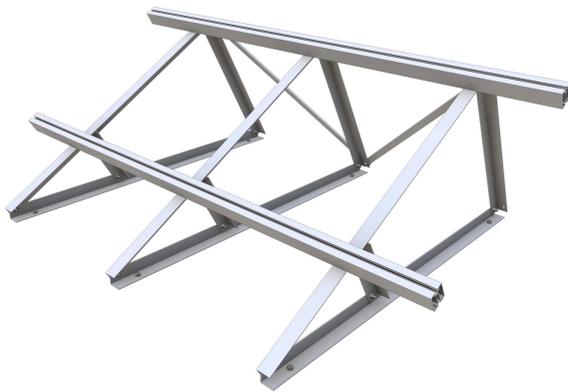
- Highly robust
- Easy and fast installation
- Long durability and reliability
- High security system: high quality material and stability test according to technical standards
- Flexible system adaptable to all kinds of installation

WARRANTY

- Limited warranty 10 years

DESIGN STANDARD

Smartroofing Flat Roof Solution design is completed in accordance with the relevant codes of practice (EC0 - Basis, EC1 - Actions, and EC9 - Aluminium) considering installation location.



TECHNICAL SPECIFICATIONS

Triangle Structure: Aluminium alloy 6063 (in conformity with EN 10204/2.1 statement):

- Surface treatment: anodized 15 µm
- Chemical composition conform with EN 573-3 standard
- Mechanical properties: minimum hardness of 13 Wb

OPTIONAL COMPONENTS

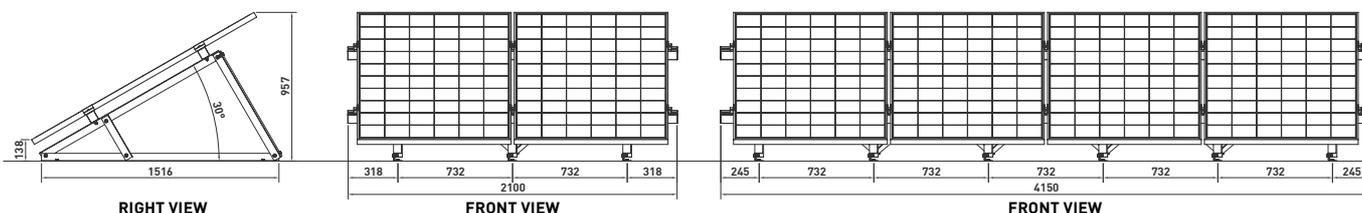
Security-ball-protection - A2	A/F 6
Self-tapping screw - A2 EPDM	Shank length: 100 to 250 mm, thread length: 70 mm; thread diameter top: 10 mm, bottom: 8 mm
Connection of various packs	2 channel connectors 350 mm (ref. 0100041339), 4 hammer head screws (0100041343), 4 hexagon flange nuts (0100041386)

COMPONENTS AND MODULAR SOLUTIONS

REFERENCE	DESCRIPTION	REFERENCE	DESCRIPTION
0300039770	Pack 2: Flat Roof Structure - 2 PV Modules	0300039768	Pack 4: Flat Roof Structure - 4 PV Modules

PICTURE	REFERENCE	DESCRIPTION	DIMENSIONS (MM)	PACK 2	PACK 4
	0200616684	Mounting triangle: this reference includes all the components necessary to build the triangle (detailed above)	1,516 x 1,320 x 785	3	6
	0100062803	Angle Brace 1,516 mm	50 x 50 x 3	3	6
	0100062804	Angle Brace 1,320 mm	50 x 50 x 3	3	6
	0100062805	Angle Brace 785 mm	50 x 50 x 3	3	6
	0100062806	Angle Brace 310 mm	50 x 50 x 3	3	6
	0100062807	Contravening Channel 1,075 mm	30 x 8	2	5
	0100041342	Screw DIN933 M10 x 30 - A4	M10 x 30	18	36
	0100041386	Hexagon Flange Nut DIN 6923 M10 x 1.25 - A4	M10 x 1.25	18	36
PREMIUM ALU CHANNELS					
	0100041327	Premium Mounting Channel 2,100 mm - Alu	64 x 55	2	
	0100037112	Premium Mounting channel 4,150 mm - Alu	64 x 55		2
	0100041341	Channel Lid	64 x 55	4	4
FIXATION OF THE TRIANGLES ON THE CHANNELS					
	0100041343	Hammer Head Screw M10 x 25 - A4	M10 x 25	6	12
	0100041386	Hexagon Flange Nut DIN 6923 M10 x 1.25 - A4	M10 x 1.25	6	12
FIXATION OF THE MODULES ON THE CHANNELS					
	0100041329	End Clamp - 35 - 45 - 50 - Alu	L 70 x 20	4	4
	0100041328	Middle Clamp - Alu	L 70 x 20	2	6
	0100019537	Hammer Mutter Nut M8 - A4	M8	6	10
	0100041344	Screw DIN912 M8 x 30 - A4	M8 x 30	6	10
	Consult	Photovoltaic Module (not included in the packs)	1,639 x 982 x 35*	2	4

* Other dimensions under consultation



CAUTION: read safety and installation instructions before using the product. (available in WWW.MPRIMESOLAR.COM).

DISCLAIMER: specifications included in this datasheet are subject to change without notice from the company. In case of any conflicts/problems that may arise due to misinterpretation, prevailing conditions are the ones described in the original version (in English).