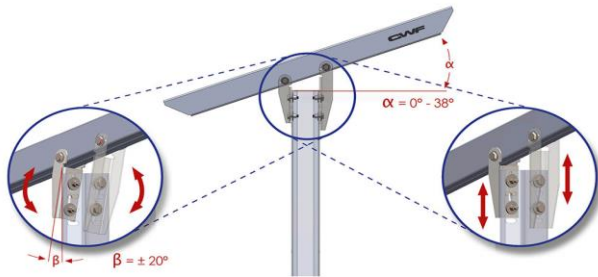

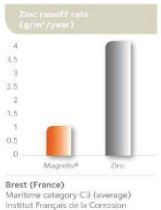

						
Angle system	<p>1°-38° CWF Vario</p> 						
Use in uneven undulated terrain	very possible thanks to the flexible Vario angle system						
Height compensation due to Vario angle system	possible						
Compensation in uneven terrain	possible						
Guarantee	20-25 years						
Suitable for terrain category	C1 - C5 (near to the sea)						
Module carrier made of aluminum	Therefore NO contact corrosion between module and module carrier / racking system / optimal condition for long-term use > 15 years						
Coating steel profiles	Magnelis by Arcelor Mittal - Therefore suitable for category C5						
Coating connecting steel elements	ZNNI8 (well-adapted to the durability of the racking system and the material compatibility Magnelis)						
Zinc runoff	<p>only 25% compared to hot-dipped galvanizing according to DIN ISO 1461 (see table)</p> <p><b>Exceptional Properties:</b> Environmental friendly</p> <p><i>The application of Magnelis ensures the preservation of natural resources since it uses less zinc than pure zinc coatings. Magnelis reduces considerably the zinc runoff in soils</i></p>   <p><b>Zinc runoff rate (g/m²/year)</b></p> <table border="1"> <thead> <tr> <th>Material</th> <th>Zinc Runoff Rate (g/m²/year)</th> </tr> </thead> <tbody> <tr> <td>Magnelis®</td> <td>~0.5</td> </tr> <tr> <td>Zinc</td> <td>~3.5</td> </tr> </tbody> </table> <p>Brest (France) Maritime category C3 (average) Institut Français de la Corrosion</p>	Material	Zinc Runoff Rate (g/m²/year)	Magnelis®	~0.5	Zinc	~3.5
Material	Zinc Runoff Rate (g/m²/year)						
Magnelis®	~0.5						
Zinc	~3.5						
Struts in the system 1 foot Vario KS I	not necessary due to load-specific static calculation						
Struts in the system 2 feet Vario SMART / Vario KSII	not necessary due to load-specific static calculation						
Ropes / Chains for strut	not necessary						
Slide In System	Module fixation from the rear thus high quality in the module assembly						
Screws	Only two types of screws necessary (M12)						
Cable channel	Integrated in the system via longitudinal beam						
Piles	1 continuous piece, therefore highest load capacity and optimal ramming possible adapted to the terrain						
TÜV certified	Yes according to 2 PFG 1794 / 10.10						
CE	 <p>DIN EN 1090-1 + A1:2011 Montagesysteme für Photovoltaik Freiflächenanlagen</p>						
Lighting protection tested	Yes according to UL 2703 / TÜV						
Static according to	Eurocode (EC0/1 /3/7/8/9)						
RC class (Safety class according to German construction law)	RC2 according to DIN EN 1990 B.2, no undue load reductions						
Damage class (safety class according to German construction law)	CC2 nach according to EN 1990 B.3, no undue load reductions						
Earthquake calculation	included / if the site is within this area						
Lifetime according to static calculation	no restricted lifetime from a static point of view						
Material logistics on the construction site	no different ramming profiles for edge and inside areas necessary as well as standard longitudinal beams which enables a simple construction site logistics						