

Mechanical Characteristics

Length	(mm)	1480
Width	(mm)	670
Height	(mm)	36
Weight	(Kg)	14
Junction Box	1 x Junction Box with 2 diodes	
Cables	OPTIONAL: Solar Cable	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Poly/Monocrystalline Cells (156 x 93 mm)	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	36 mm Aluminum profile - Natural or Black Anodized	
Unframed Dimensions	1475 x 665 x 5 mm (LxWxH) (Tol. +/- 2mm)	



Electrical Characteristics

Power Class	Wp	130	135	140
Power Tolerance		+/- 3 %	+/- 3 %	+/- 3 %
Min Power	Wp	127	131	137
Voltage at Max Power (Vmp)	V	17.6	17.6	17.7
Current at Max Power (Imp)	A	6.97	7.47	7.67
Open circuit Voltage (Voc)	V	21.8	21.86	21.92
Short Circuit Current (Isc)	A	8.04	8.31	8.41
Minimum Bypass Diode		2.00	2.00	2.00
Maximum System Voltage	V	1000	1000	1000

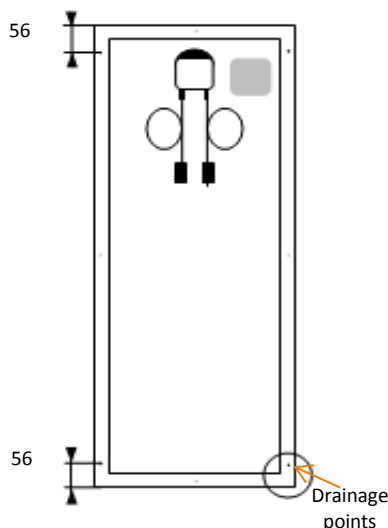
Voltage temperature correction factor (Open Circuit)	-0.35%/K
Current Temperature correction factor (Short Circuit)	0.05%/K
Power Temperature correction Factor	-0.44 %/K
NOCT	45°C
(STC) Standard testing conditions :	1000 W/m ² , AM 1.5, 25°C

Use Conditions

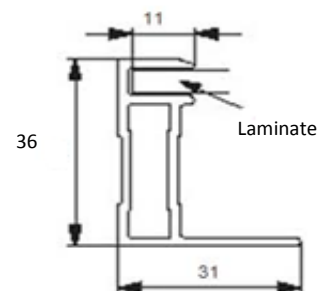
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

Warranty

Product	2 years
Power	Terrestrial: 25 years 80% yield Marine: 10 years / 90% yield



Solaire Direct frame Profile



Tolerance +/- 2