

## Mechanical Characteristics

Length	(mm)	1416
Width	(mm)	660
Height	(mm)	36
Weight	(Kg)	13
Junction Box	1 x Tyco junction Box with 2 diodes	
Cables	OPTIONAL: Solar Cable(1000 x 4mm <sup>2</sup> )	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Poly cells	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	36 mm Aluminum profile - Natural	

## Electrical Characteristics

Power Class	Wp	100	105	110
Power Tolerance		+3/-3W	+3/-3W	+3/-3W
Min Power	Wp	97	102	107
Voltage at Max Power (Vmp)	V	17.2	17.2	17.2
Current at Max Power (Imp)	A	5.8	6.1	6.4
Open circuit Voltage (Voc)	V	21.6	21.6	21.6
Short Circuit Current (Isc)	A	6.6	6.9	7.2
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 <sup>2</sup> , AM 1.5, 25°C

## Use Conditions

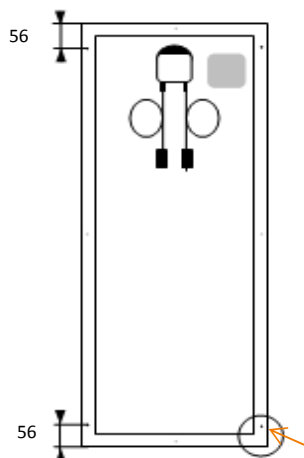
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

## Certification

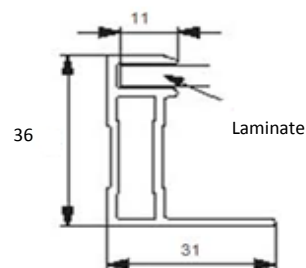
IEC 61215:2005 Ed. 2  
EN6170 Class 1 & Class 2

## Warranty

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



Solaire Direct frame Profile



Tolerance +/- 2

Version 05/2009. Can be modified without notice. Average Electrical characteristics for Power class  
Power tolerance related to power class before <<LID>> /Pictures and Drawings Are not contractual