

## Mechanical Characteristics

<b>Length</b>	(mm)	630
<b>Width</b>	(mm)	280
<b>Height</b>	(mm)	25
<b>Weight</b>	(Kg)	3,1
<b>Junction Box</b>		1 x PV junction Box
<b>Cables</b>		OPTIONAL: Solar Cable(1000 x 4mm <sup>2</sup> ) Assembled with Tyco Connectors
<b>Front Substrate</b>		Low Iron tempered White Glass 3.2 mm Thickness
<b>Cells</b>		36 Polycrystalline cells (62.5x75 mm)
<b>Encapsulation Material</b>		EVA - Ethylene Vinyl Acetate
<b>Back Substrate</b>		Composite Sheet Tedlar or APA
<b>Frame</b>		25 mm Aluminum profile - Natural

## Electrical Characteristics

Power Class	W <sub>p</sub>	30	35
<b>Power Tolerance</b>		+3/- 2W	+3/- 2W
<b>Min Power</b>	W <sub>p</sub>	27	33
<b>Voltage at Max Power (V<sub>mp</sub>)</b>	V	17.2	17.2
<b>Current at Max Power (I<sub>mp</sub>)</b>	A	1.74	2.03
<b>Open circuit Voltage (V<sub>oc</sub>)</b>	V	21.6	21.6
<b>Short Circuit Current (I<sub>sc</sub>)</b>	A	1.98	2.30
<b>Maximum System Voltage</b>	V	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

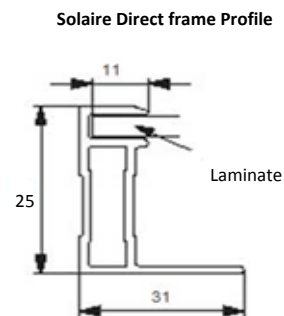
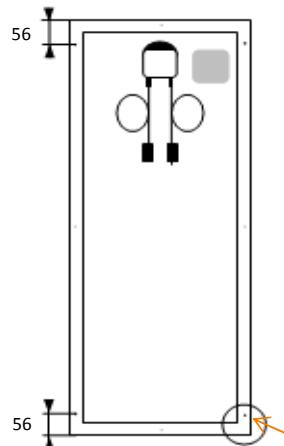
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

## 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



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