

# SOLAIRE DIRECT TECHNOLOGIES : SDT200

## Mechanical Characteristics

Length	(mm)	630
Width	(mm)	280
Height	(mm)	25
Weight	(Kg)	3,1
Junction Box		1 x PV junction Box
Cables		OPTIONAL: Solar Cable(1000 x 4mm <sup>2</sup> ) Assembled with Tyco Connectors
Front Substrate		Low Iron tempered White Glass 3.2 mm Thickness
Cells		36 Polycrystalline cells (62.5x62.5 mm)
Encapsulation Material		EVA - Ethylene Vinyl Acetate
Back Substrate		Composite Sheet Tedlar or APA
Frame		25 mm Aluminum profile - Natural

## Electrical Characteristics

Power Class	Wp	20	25
Power Tolerance		+3/- 2W	+3/- 2W
Min Power	Wp	18	23
Voltage at Max Power (Vmp)	V	16.8	16.8
Current at Max Power (Imp)	A	1.19	1.48
Open circuit Voltage (Voc)	V	21.0	21.0
Short Circuit Current (Isc)	A	1.32	1.61
Maximum System Voltage	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

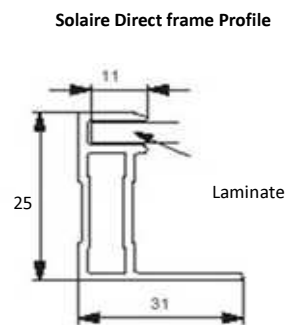
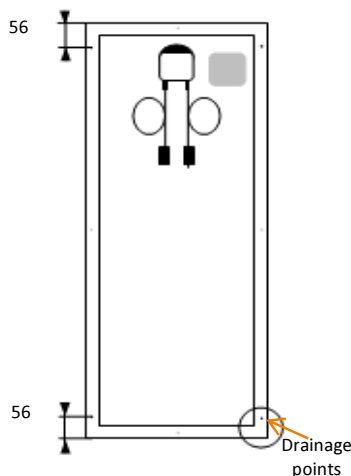
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

## Certification

IEC 61215:2005 Ed. 2	Certification in progress
EN6170 Class 1 & Class 2	Certification in progress

## 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