

SOLAIRE DIRECT TECHNOLOGIES : SDT100

Mechanical Characteristics

Length (mm)	368	Mono-330
Width (mm)	310	Mono-288
Height (mm)	25	
Weight (Kg)	1.3	
Junction Box	1 x PV junction Box.	
Cables	OPTIONAL: Cable	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Polycrystalline cells (76 x 26 mm) or Mono	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	25 mm Aluminum profile - Natural	

Electrical Characteristics

Power Class	Wp	10
Power Tolerance		+3/- 1W
Min Power	Wp	9
Voltage at Max Power (Vmp)	V	16.8
Current at Max Power (Imp)	A	0.60
Open circuit Voltage (Voc)	V	21.0
Short Circuit Current (Isc)	A	0.66
Maximum System Voltage	V	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

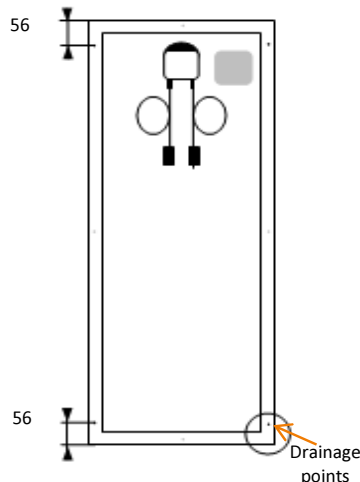
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

Certification

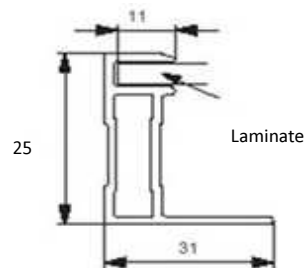
IEC 61215:2005 Ed. 2	Certification in progress
EN6170 Class 1 & Class 2	Certification in progress

Warranty

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



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