

SOLAIRE DIRECT TECHNOLOGIES : SDT600

Mechanical Characteristics

Length	(mm)	635
Width	(mm)	670
Height	(mm)	35
Weight	(Kg)	6
Junction Box	1 x Tyco junction Box with 2 diodes	
Cables		
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 PolyCrystalline cells(156 x 76mm)	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	35 mm Aluminum profile - Natural	



Electrical Characteristics

Power Class	Wp	40	50
Power Tolerance		+3/- 2 %	+3/- 2 %
Min Power	Wp	37	47
Voltage at Max Power (Vmp)	V	17.2	17.2
Current at Max Power (Imp)	A	2.74	2.9
Open circuit Voltage (Voc)	V	21.14	21.6
Short Circuit Current (Isc)	A	3.68	3.32
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/m², 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

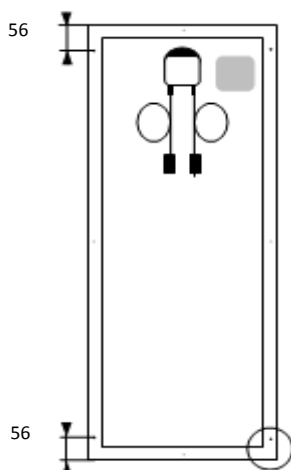
Product

2 years

Power

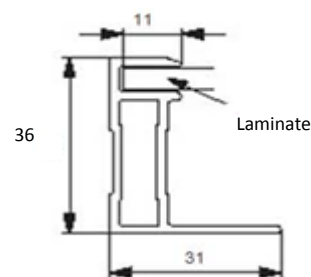
Terrestrial: 25 years 80% yield

Marine: 10 years / 90% yield



Tolerance +/- 2

Solaire Direct frame Profile



Drainage points