

SOLAIRE DIRECT TECHNOLOGIES : SDT800 (MONO)

Mechanical Characteristics

Length	(mm)	1210
Width	(mm)	550
Height	(mm)	35
Weight	(Kg)	8.5
Junction Box	1 x Tyco junction Box with 2 diodes	
Cables	NONE	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Mono cells(125 x125mm)	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	35 mm Aluminum profile - Natural	

Electrical Characteristics

Power Class	Wp	80	85	90
Power Tolerance		+3/- 2 %	+3/- 2 %	+3/- 2 %
Min Power	Wp	78	83	88
Voltage at Max Power (Vmp)	V	17.6	17.6	17.8
Current at Max Power (Imp)	A	4.65	4.94	4.97
Open circuit Voltage (Voc)	V	21.6	21.6	21.6
Short Circuit Current (Isc)	A	5.28	5.42	5.48
Maximum System Voltage	V	1000	1000	1000

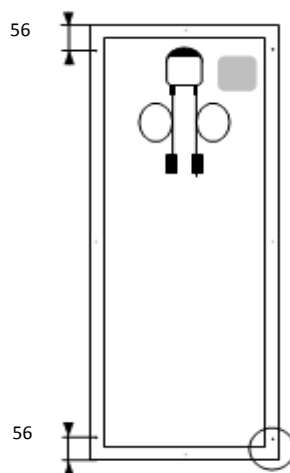
Voltage temperature correction factor (Open Circuit)	-0.35%/K
Current Temperature correction factor (Short Circuit)	0.05%/K
Power Temperature correction Factor	-0.44 %/K
NOCT	45°C
(STC) Standard testing conditions :	1000 W/m², AM 1.5, 25°C

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

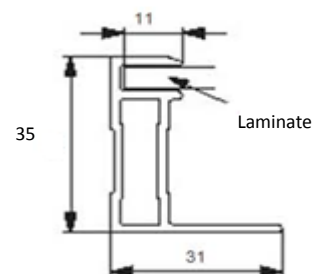
Warranty

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



Tolerance +/- 2

Solaire Direct frame Profile



Drainage points