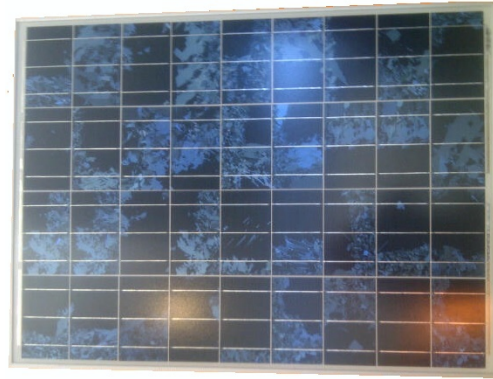


# SOLAIRE DIRECT TECHNOLOGIES : SDT800(New)

## Mechanical Characteristics

Length	(mm)	905
Width	(mm)	670
Height	(mm)	35
Weight	(Kg)	8
Junction Box	1 x Junction Box with 2 diodes	
Cables	OPTIONAL: Solar Cable☒	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Mono/Polycrystalline Mix cells (156 x 104 mm) <b>QUANTUM CELLS</b>	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	36 mm Aluminum profile - Natural or Black Anodized	
Unframed Dimensions	896 x 664 x 5 mm (LxWxH) (Tol. +/- 2mm)	



## Electrical Characteristics

Power Class	Wp	75	80	85
Power Tolerance		+/- 3 %	+/- 3 %	+/- 3 %
Min Power	Wp	72	77	82
Voltage at Max Power (Vmp)	V	18	18.2	18.31
Current at Max Power (Imp)	A	4.12	4.25	4.34
Open circuit Voltage (Voc)	V	22.19	22.6	22.86
Short Circuit Current (Isc)	A	5.21	5.28	5.44
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/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

## Warranty

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

