

Mechanical Characteristics

Length	(mm)	660
Width	(mm)	550
Height	(mm)	36
Weight	(Kg)	4
Junction Box	1 x Tyco junction Box	
Front Substrate	Low Iron tempered White Glass 3.2 mm Thickness	
Cells	36 Polycrystalline cells (156 x 52 mm) or Mono (125x62.5mm)	
Encapsulation Material	EVA - Ethylene Vinyl Acetate	
Back Substrate	Composite Sheet Tedlar or APA	
Frame	36 mm Aluminum profile - Natural	

Electrical Characteristics

Power Class	Wp	50	45	40
Power Tolerance		+5/- 2 W	+5/- 2 W	+5/- 2 W
Min Power	Wp	48	43	38
Voltage at Max Power (Vmp)	V	17.2	17.2	17.2
Current at Max Power (Imp)	A	2.90	2.62	2.33
Open circuit Voltage (Voc)	V	21.6	21.6	21.6
Short Circuit Current (Isc)	A	3.30	2.97	2.64
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 ² , AM 1.5, 25°C

Use Conditions

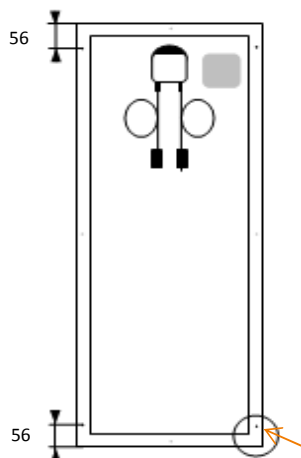
Temperature Range	-40 °C to + 85°C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified internally up to 5400 Pa according to IEC 61215 Ed. 2

Certification

IEC 61215:2005 Ed. 2
EN6170 Class 1 & Class 2

Warranty

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



Tolerance +/- 2

Solaire Direct frame Profile

