

SOL² S-Series 70M

Mechanical Characteristics

Length	(mm)	1210
Width	(mm)	550
Height	(mm)	36
Weight	(Kg)	8
Junction Box	1 x Tyco junction Box with 2 diodes	
Cables	OPTIONAL: Solar Cable(1000 x 4mm ²) Assembled with Tyco Connectors	
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	36 mm Aluminum profile - Natural	



Electrical Characteristics

Power Class	Wp	70	75	80	85
Power Tolerance			+3/- 2 W	+3/- 2 W	+3/- 2 W
Min Power	Wp	68	73	78	83
Voltage at Max Power (Vmp)	V	17.2	17.2	17.2	17.2
Current at Max Power (Imp)	A	4.07	4.36	4.65	4.94
Open circuit Voltage (Voc)	V	21.6	21.6	21.6	21.6
Short Circuit Current (Isc)	A	4.62	4.78	5.28	5.42
Maximum System Voltage	V	1000	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

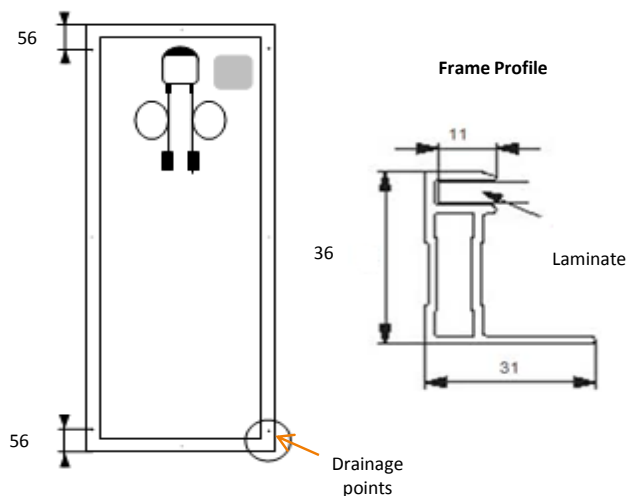
Certification

IEC 61215:2005 Ed. 2	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

Tolerance +/- 2



www.solsquare.com

Solsquare South Africa | Tel: +27(0)861 765 7782 | info@solsquare.com | Solsquare Namibia | Tel: +26461 211 675 | info.namibia@solsquare.com