



# OMNI POWER SOLAR PANEL

MODEL : OMNI-75P / 80P / 85P

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 <sup>2</sup> ) assembled with Tyco connectors
Front Substrate	Low iron tempered white glass 3.2mm thickness
Cells	36 Polycrystalline cells (156 x 93mm)
Encapsulation Material	EVA - Ethylene Vinyl Acetate
Back Substrate	Composite sheet Tedlar or APA
Frame	36mm Aluminium profile - natural or black anodized
Unframed Dimensions	L 926 x W 664 x H 5mm (Tol. +/- 2mm)



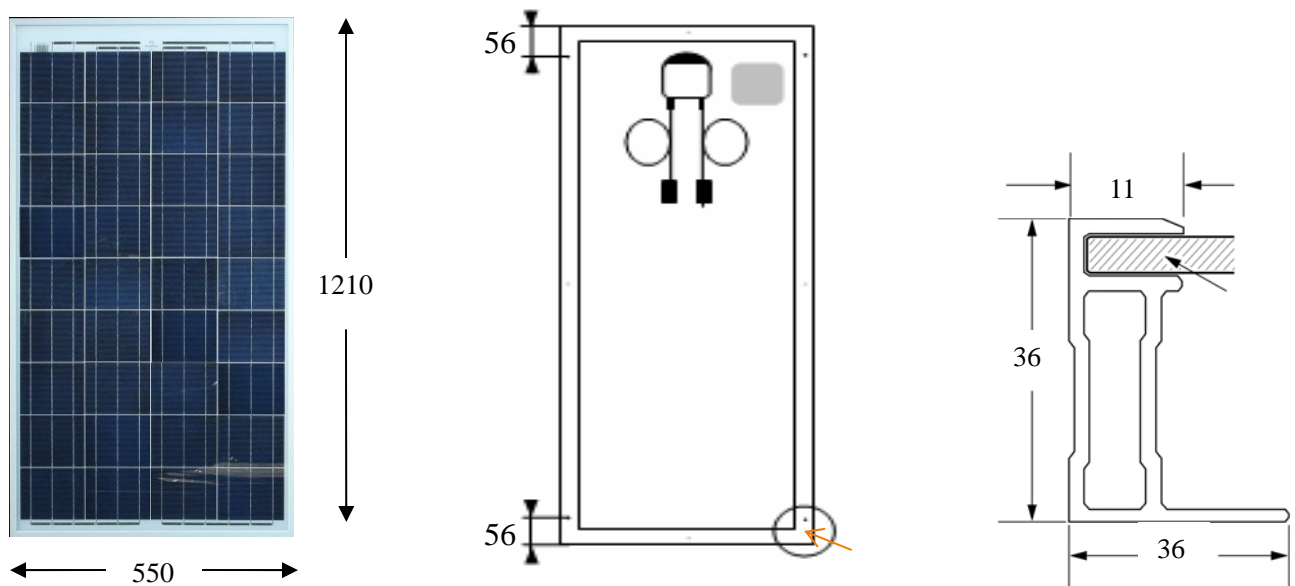
ELECTRICAL CHARACTERISTICS				
Power Class	Wp	75	80	85
Power Tolerance	W	+ 3/-2W	+ 3/-2W	+ 3/-2W
Min. Power	Wp	73	78	83
Voltage at Max. Power (Vmp)	V	16.9	17.8	17.97
Current at Max. Power (Imp)	A	4.359	4.49	4.65
Open circuit Voltage (Voc)	V	21.678	21.8	21.97
Short Circuit Current (Isc)	A	4.858	4.85	4.99
Maximum System Voltage	V	1000	1000	1000
Voltage temp. correction factor (Open Circuit)		- 0.35% K		
Current temp. correction factor (Short Circuit)		0.05% K		
Power temp. correction factor		- 0.44% K		
NOCT		45°C		
(STC) Standard testing conditions		1000 W/m <sup>2</sup> , AM 1.5, 25°C		



<b>USE CONDITIONS</b>	
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

<b>CERTIFICATION</b>	
IEC 61215:2005 Ed.2	Certification in progress
EN6170 Class 1 & Class 2	Certification in progress

<b>WARRANTY</b>	
Power Performance	Terrestrial : 25 years 80% yield
	Marine : 10 years 90% yield



Tolerance	+/-2mm
Version 11/2009. Average Electrical characteristics for Power Class	
Power tolerance related to power class before <<LID>> Pictures and Drawings are not contractual	

**SINETECH RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE**