



OMNI POWER SOLAR PANEL

MODEL : OMNI-210P / 215P / 220P
225P / 230P / 235P

MECHANICAL CHARACTERISTICS	
Length (mm)	1660
Width (mm)	990
Height (mm)	45
Weight (kg)	19
Junction Box	1 x Tyco junction box with 3 bypass diodes
Cables	Assembled with Tyco Connectors
Front Substrate	HiT SM, ARC White Glass 3.2mm thickness
Cells	60 Polycrystalline cells (156 x 156mm)
Encapsulation Material	EVA - Ethylene Vinyl Acetate
Back Substrate	Composite sheet Tedlar or APA
Frame	45mm Aluminium profile - natural or black anodized
Unframed Dimensions	L 1652 x W 982 x H 45mm (Tol. +/- 2mm)



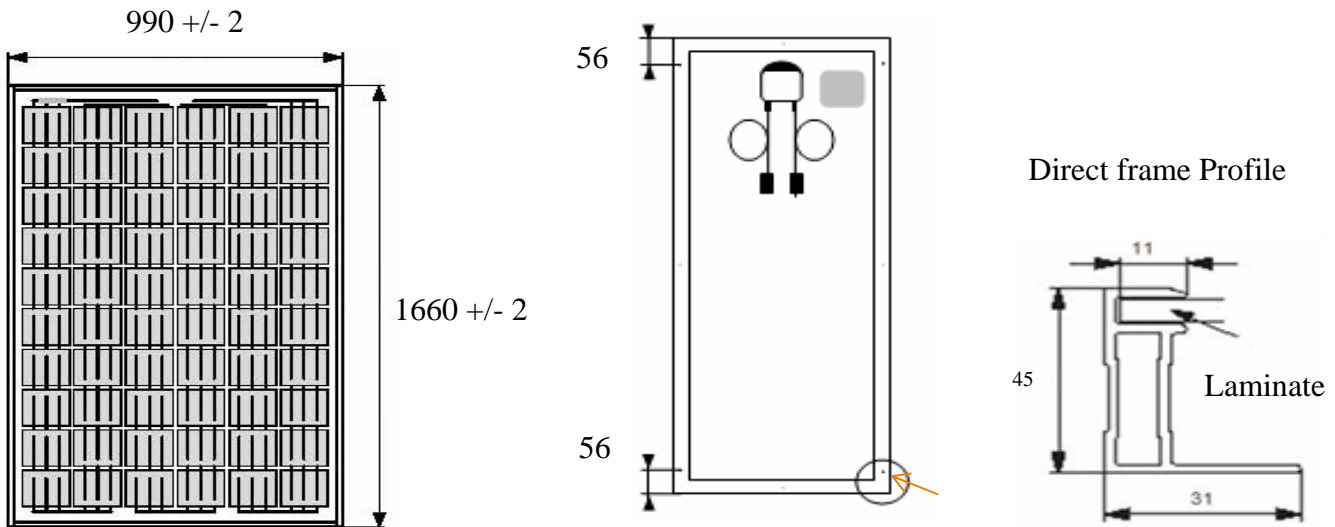
ELECTRICAL CHARACTERISTICS							
Power Class	Wp	210	215	220	225	230	235
Power Tolerance	%	+ 3/-3	+ 3/-3	+ 3/-3	+ 3/-3	+ 3/-3	+ 3/-3
Min. Power	Wp	203.7	208.5	213.4	218.25	223.1	227.95
Voltage at Max. Power (Vmp)	V	28.6	28.6	28.8	28.9	29.3	29.3
Current at Max. Power (Imp)	A	7.49	7.6	7.75	7.82	7.95	8.04
Open circuit Voltage (Voc)	V	36.1	36.3	36.4	36.6	36.7	36.9
Short Circuit Current (Isc)	A	8.1	8.2	8.3	8.4	8.55	8.65
Maximum System Voltage	V	1000	1000	1000	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 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	
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	

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