

OMNIPOWER SOLAR PANEL

MODEL : OMNI-245M / 250M / 255M / 260M / 265M

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	Solar cable, length 1000mm, 4mm ² thick assembled
Front Substrate	HiT SM, ARC White Glass 3.2mm thickness
Cells	60 Monocrystalline 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 932 x H 5mm (Tol. +/- 2mm)



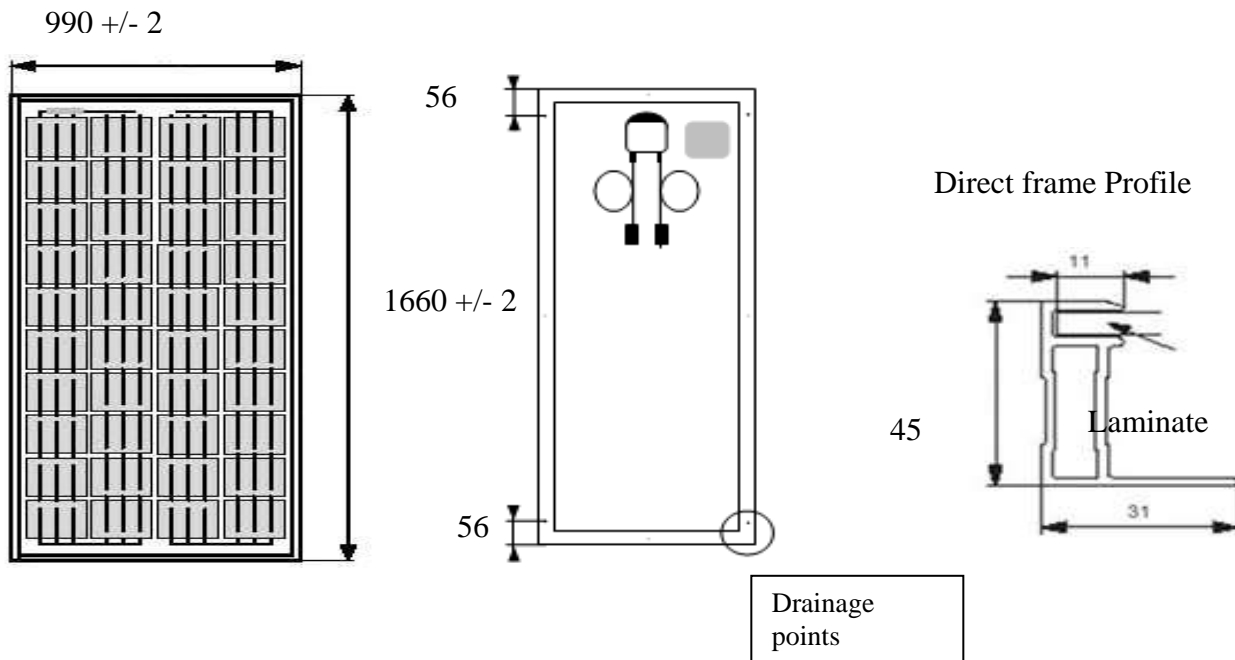
Electrical Characteristics						
Power Class	Wp	245	250	255	260	265
Power Tolerance		+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%
Min. Power	Wp	237.65	242.5	247.35	252.2	257.05
Voltage at Max. Power (Vmp)	V	29.5	29.8	30.1	30.3	30.4
Current at Max. Power (Imp)	A	8.3	8.4	8.6	8.7	8.8
Open circuit Voltage (Voc)	V	36.9	37.1	37.4	37.6	37.7
Short Circuit Current (Isc)	A	8.8	8.9	9.1	9.2	9.3
Maximum System Voltage	V	1000	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	Certified
EN6170 Class 1 & Class 2	Certified

WARRANTY	
Product	3 years
Power Performance	Terrestrial : 25 years 80% yield
	Marine : 10 years 90% yield



Version 05/2009. Average Electrical characteristics for Power Class
Power tolerance related to power class before <<LID>> Pictures and Drawings are not contractual

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