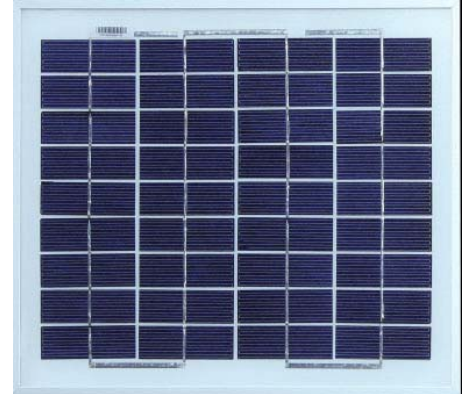




# OMNIPOWER SOLAR PANEL

MODEL : OMNI-10P

MECHANICAL CHARACTERISTICS	
Width (mm)	310
Length (mm)	367
Depth (mm)	25
Weight (kg)	1.3
Junction Box	1 x PV junction box
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 (76 x 26mm)
Encapsulation Material	EVA - Ethylene Vinyl Acetate
Back Substrate	Composite sheet Tedlar or APA
Frame	25mm Aluminium profile



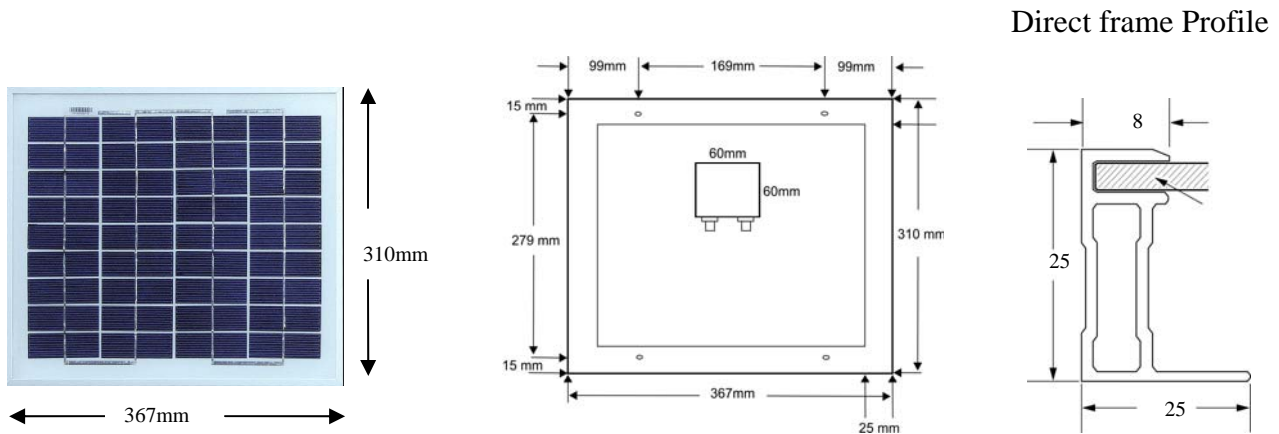
ELECTRICAL CHARACTERISTICS		
Power Class	Wp	10
Power Tolerance	W	+ 3/-1W
Min. Power	Wp	9
Voltage at Max. Power (Vmp)	V	16.5
Current at Max. Power (Imp)	A	0.61
Open circuit Voltage (Voc)	V	20.8
Short Circuit Current (Isc)	A	0.78
Maximum System Voltage	V	1000
Voltage temp. correction factor (Open Circuit)		- 0.35% K
Current temp. correction factor (Short Circuit)		0.05% K
Power temp. correction factor		- 0.4% 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	

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