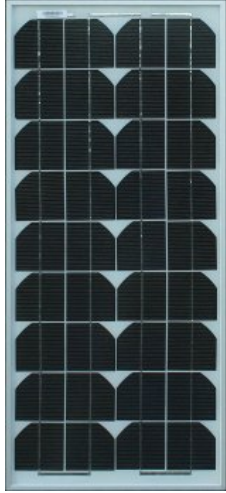




OMNI POWER SOLAR PANEL

MODEL : OMNI -20M

MECHANICAL CHARACTERISTICS	
Width (mm)	280
Length (mm)	628
Depth (mm)	25
Weight (kg)	1.3
Junction Box	1 x PV junction box
Cables	OPTIONAL : Solar cable (1000 x 4mm ²) assembled with Tyco connectors
Front Substrate	Low iron tempered white glass 3.2mm thickness
Cells	36 Monocrystalline cells (62.5 x 62.5mm)
Encapsulation Material	EVA - Ethylene Vinyl Acetate
Back Substrate	Composite sheet Tedlar or APA
Frame	25mm Aluminium profile - natural or black anodized



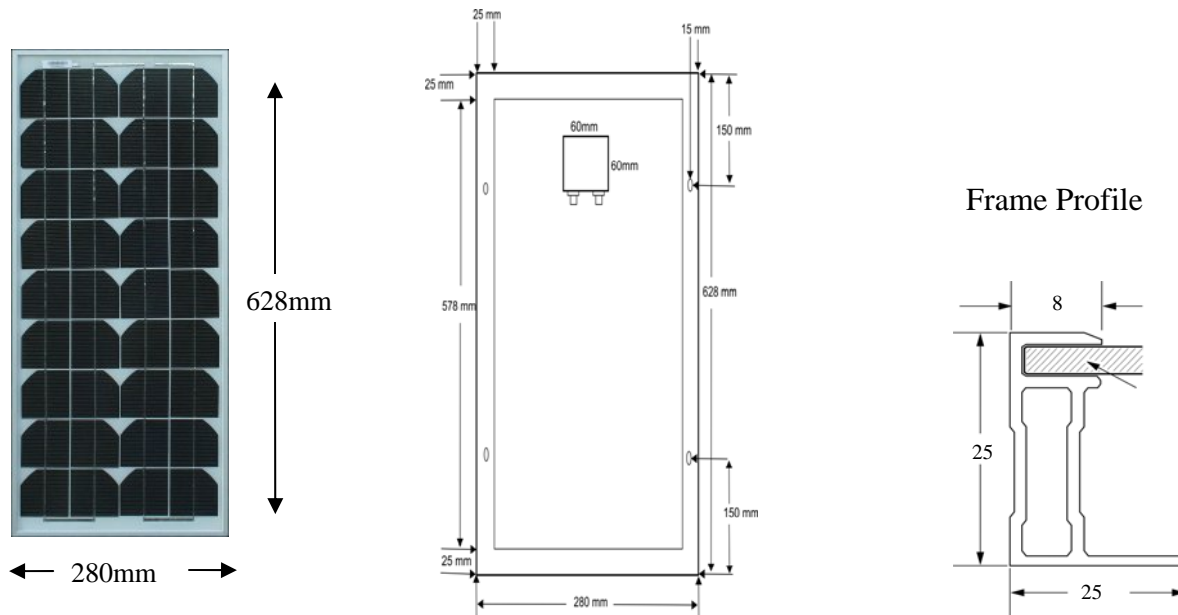
ELECTRICAL CHARACTERISTICS		
Power Class	Wp	20
Power Tolerance	W	+ 3/-2W
Min. Power	Wp	18
Voltage at Max. Power (Vmp)	V	17.1
Current at Max. Power (Imp)	A	1.17
Open circuit Voltage (Voc)	V	21.3
Short Circuit Current (Isc)	A	1.31
Maximum System Voltage	V	1000
Voltage temp. correction factor (Open Circuit)		- 0.35% K
Current temp. correction factor (Short Circuit)		0.05% K
Power temp. correction factor		- 0.44% 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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