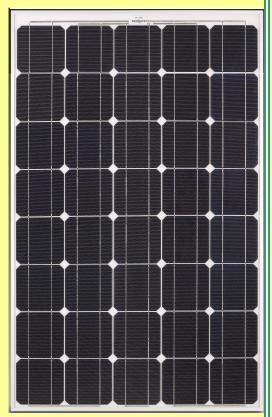


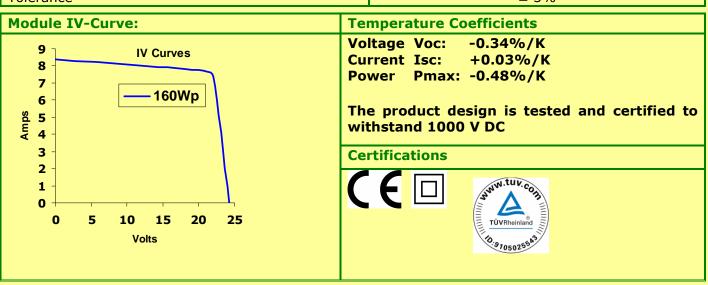
MONO CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE

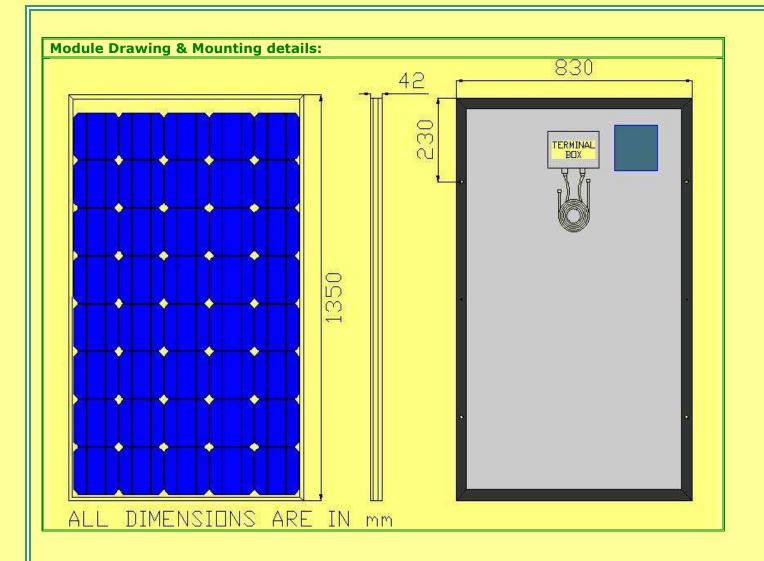
Andromeda Photovoltaic Modules

- ★ Solar cells are encapsulated between tempered & textured clear glass with low iron content resulting in efficient sunlight absorption.
- ★ EVA potant with back sheet to provide maximum protection from the severest environmental conditions.
- ★ High torsion and corrosion resistant anodized aluminum frame provides structural strength and ease of installation.
- ★ Made with 3.2 mm thick glass. We recommend 4.0 mm glass for regions prone with snowfall or custom requirement.
- ★ Supplied with individual data sheet for each module.
- ★ Supplied with both IEC certifications 61215 on performance and 61730 on safety tested at 1000 V DC.
- ★ Produced in an ISO 9001: 2000 certified production facility.
- ★ 25 year limited warranty on Power output,
 - a) Output will be still 90 % in 10 years, based on rated module performance less the negative tolerance.
 - b) Output will be still 80 % in 25 years, based on the rated module performance less the negative tolerance.



Electrical Specifications –These values are effective at (Standard Test Conditions)							
MODEL		MM0150	MM0155	MM0160			
Rated POWER Pmax - [W]		150	155	160			
Rated Voltage Vmax – [V]		20.08	20.28	20.72			
Open Circuit Voltage Voc - [V]		23.96	24.04	24.32			
Short Circuit Current Isc - [A]		8.18	8.25	8.38			
Tolerance		± 3%					





Mechanical Specifications			
Length [mm]		1350 ± 1	
Width [mm]		830 ± 1	
Thickness [mm]		42	
Weight [Kg]		12.7 (@3.2 mm thick glass)	
No. of Solar cells		40 monocrystalline solar cells of size 156×156 mm	
Certifications		IEC 61215 & IEC 61730 are due to issue in Nov'08	

Other Characteristics			
Front Glass	Toughened Clear Glass		
Glass thickness	3mm & 4mm for snow loading regions		
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)		
Back	A IEC/TÜV/CE certified product		
Frame	Anodized Aluminum frame		
Junction Box	A IEC/TÜV/CE certified product		

Due to continuous product improvement activities the specifications in this product information sheet are subjected to revision, without notice. Please visit our website for updated/latest product specifications.

ANDROMEDA ENERGY TECHNOLOGIES (P) LTD.

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