

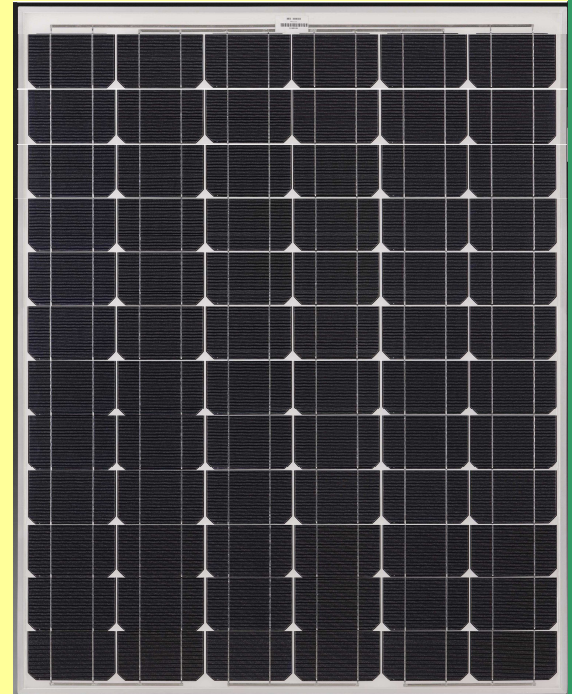


andromeda™

MONO CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE

Andromeda Photovoltaic Modules

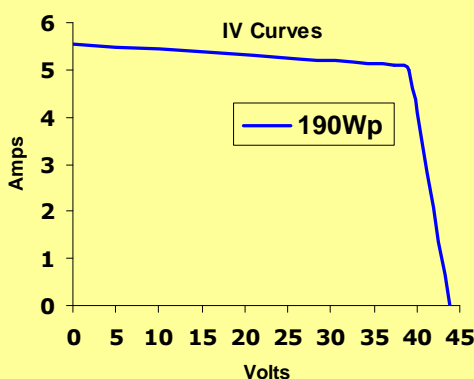
- ★ Solar cells are encapsulated between tempered & textured clear glass with low iron content resulting in efficient sunlight absorption.
- ★ EVA potant with back sheet to provide maximum protection from the severest environmental conditions.
- ★ High torsion and corrosion resistant anodized aluminum 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	MM0190	MM0195	MM0200
Rated POWER Pmax – [W]	190	195	200
Rated Voltage Vmax – [V]	36.14	36.50	36.86
Open Circuit Voltage Voc – [V]	43.13	43.27	43.62
Short Circuit Current Isc – [A]	5.81	5.86	5.92
Tolerance	± 3%		

Module IV- Curve



Temperature Coefficients

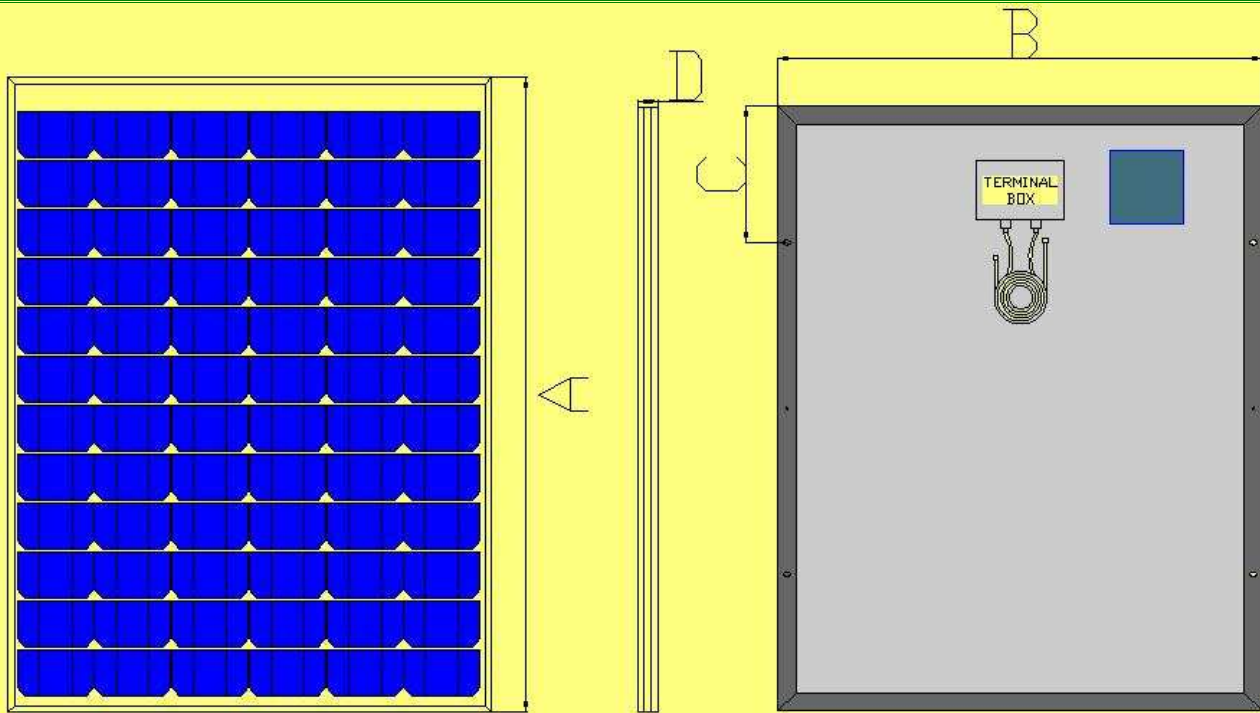
Voltage Voc: -0.34%/K
Current Isc: +0.03%/K
Power Pmax: -0.48%/K

The product design is tested and certified to withstand 1000 V DC

Certifications



Module Drawing & Mounting details:



ALL DIMENSIONS ARE IN mm

Mechanical Specifications

Length [mm]	1435 ± 1
Width [mm]	990 ± 1
Thickness [mm]	42
Mounting Position [mm]	242.5
Weight [Kg]	16.7 (@3.2 mm thick glass)
No. of Solar cells	72 monocrystalline solar cells of size 111 × 156 mm
Certifications	IEC 61215 for Performance & IEC 61730 for Safety

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.

REGD:#9-1-18 to 24, No-4, S.P. ROAD, OPP. CIVIL COURT, SECUNDERABAD 500003, AP – INDIA

TEL:+91-40-27803147, FAX: +91-40-66260277

WEB: www.andromedasolar.com, EMAIL: info@andromedasolar.com.