

# MONO MULTY CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE - 50WP



MODEL NAME- AO112, AO212

## Photovoltaic Modules- Salient Features

Solar cells are encapsulated between tempered glass and EVA pottant with PVF back sheet to provide maximum protection from the severest environmental conditions.  
The laminate framed using anodized aluminum frame to provide structural strength and ease of installation.

## Specifications#

ELECTRICAL SPECIFICATIONS :			DIMENSIONS AND WEIGHT :		
<b>Model -AO112</b>	<b>Power</b>				
Power (Max)	Pp (watts)	50Wp	Length	mm (Inches)	776(30.55) ±1
Voltage at rated power	Vld (Volts)	16.4 V	Width	mm (Inches)	655(25.78) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Thickness	mm (Inches)	34 (1.33) ±0.5
Current at maximum power	Imp (amps)	3.00 A	Weight	kg (lbs)	6.20(13.39) ±5%
Open circuit voltage	Voc (volts)	20 V	Area	Sq.meters (Sq.Ft)	0.508 (5.47)
Short circuit current	Isc (amps)	3.40 A			
Solar Cells per Module	Units	36			
<b>Type of Solar Cell : Mono / Multi Crystalline</b>					
<b>Model - AO212</b>			<b>DIMENSIONS AND WEIGHT :</b>		
Power (Max)	Pp (watts)	50Wp	Length	mm (Inches)	861(33.89) ±1
Voltage at rated power	Vld (Volts)	16.4 V	Width	mm (Inches)	655(25.78) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Thickness	mm (Inches)	34 (1.33) ±0.5
Current at maximum power	Imp (amps)	3.00 A	Weight	kg (lbs)	6.65(14.36) ±5%
Open circuit voltage	Voc (volts)	20 V	Area	Sq.meters (Sq.Ft)	0.56 (6.07)
Short circuit current	Isc (amps)	3.40 A			
Solar Cells per Module	Units	36			
<b>Type of Solar Cell : Mono / Multi Crystalline</b>					

### Note:

Our standard range of modules are supplied without blocking diodes. However, we will supply with blocking diodes on specific customer request.

## Quality Assurance

Andromeda monocrystalline photovoltaic modules meet and exceed specifications for the following tests

- Thermal cycling test
- Thermal shock test
- Thermal / Freezing and high humidity cycling test
- Electrical isolation test
- Hail impact test
- Mechanical, wind and twist loading test
- Salt spray test
- Light and water-exposure test
- Field exposure test
- Specifications subject to without notice during product upgradations

Please Click Here For [Module Mounting Details](#)



### Andromeda Energy Technologies (P) Ltd

No - 4, First Floor, SP Road, Opp. Civil Court  
Secunderabad - 500003.Andhra Pradesh  
INDIA .

Phone :+91 40 - 27803147

Fax : +91 40 - 66260277

Cell:+91 9948333284

e-mail : info@andromedasolar.com

www.andromedasolar.com

CLOSE

