

MONO MULTY CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE - 10Wp, 12V



MODEL NAME - AD112, AD212, AD312

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 :		
Model - AD112	Power				
Power (Max)	Pp (watts)	10Wp	Length	mm (Inches)	415 (16.20) ±1
Voltage at rated power	Vld (Volts)	16.4 V	Width	mm (Inches)	335 (13.18) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Thickness	mm (Inches)	22 (0.86) ±0.5
Current at maximum power	Imp (amps)	0.65 A	Weight	kg (lbs)	1.40 (3.02) ±5%
Open circuit voltage	Voc (volts)	20.0 V	Area	Sq.meters (Sq.Ft)	0.14(1.49)
Short circuit current	Isc (amps)	0.70 A			
Solar Cells per Module	Units	36			
Type of Solar Cell : Mono / Multi Crystalline					
Model- AD212			DIMENSIONS AND WEIGHT :		
Power (Max)	Pp (watts)	10Wp	Length	mm (Inches)	515(20.27)±1
Voltage at rated power	Vld (Volts)	16.4 V	Width	mm (Inches)	275(10.82)±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Thickness	mm (Inches)	22 (0.86) ±0.5
Current at maximum power	Imp (amps)	0.65 A	Weight	kg (lbs)	1.50(3.24)±5%
Open circuit voltage	Voc (volts)	20.0 V	Area	Sq.meters (Sq.Ft)	0.141(1.52)
Short circuit current	Isc (amps)	0.70 A			
Solar Cells per Module	Units	36			
Type of Solar Cell : Mono / Multi Crystalline					
Model - AD312			DIMENSIONS AND WEIGHT :		
Power (Max)	Pp (watts)	10Wp	Length	mm (Inches)	635 (25.03)±1
Voltage at rated power	Vld (Volts)	16.4 V	Width	mm (Inches)	275(10.82) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Thickness	mm (Inches)	22(0.866) ±0.5
Current at maximum power	Imp (amps)	0.65 A	Weight	kg (lbs)	2.10(4.53) ±5%
Open circuit voltage	Voc (volts)	20.0 V	Area	Sq.meters (Sq.Ft)	0.21(2.26)
Short circuit current	Isc (amps)	0.70 A			
Solar Cells per Module	Units	40			

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](#)



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