

MONO MULTY CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE - 5Wp, 12V



MODEL NAME- AA112, AA212

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 - AA112	Power		Length	mm (Inches)	305 (12.0)±1
Power (Max)	Pp (watts)	5Wp	Width	mm (Inches)	275 (10.82) ±0.5
Voltage at rated power	Vld (Volts)	16.4 V	Thickness	mm (Inches)	22 (0.86) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Weight	kg (lbs)	0.90±5%
Current at maximum power	Imp (amps)	0.290A	Area	Sq.meters (Sq.Ft)	0.083(0.90)
Open circuit voltage	Voc (volts)	20.0V			
Short circuit current	Isc (amps)	0.350A			
Solar Cells per Module	Units	36 / 40			

Type of Solar Cell : Mono / Multi Crystalline

ELECTRICAL SPECIFICATIONS :			DIMENSIONS AND WEIGHT :		
Model - AA212	Power		Length	mm (Inches)	355 (13.97) ±1
Power (Max)	Pp (watts)	5Wp	Width	mm (Inches)	335 (13.18) ±0.5
Voltage at rated power	Vld (Volts)	16.4 V	Thickness	mm (Inches)	22 (0.86) ±0.5
Voltage at maximum power	Vmp (volts)	> 15.0 V	Weight	kg (lbs)	1.20 ±5%
Current at maximum power	Imp (amps)	0.290A	Area	Sq.meters (Sq.Ft)	0.118(1.28)
Open circuit voltage	Voc (volts)	20.0V			
Short circuit current	Isc (amps)	0.350A			
Solar Cells per Module	Units	36 / 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
- 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

Click Here For [Module Mounting Details](#)



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