

MONO MULTY CRYSTALLINE SOLAR PHOTOVOLTAIC MODULE - 18WP, 12V



MODEL NAME- AH112, AH212, AH312

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 :

Model - AH112	Power	
Power (Max)	Pp (watts)	18Wp
Voltage at rated power	Vld (Volts)	16.4 V
Voltage at maximum power	Vmp (volts)	> 15.0 V
Current at maximum power	Imp (amps)	1.10 A
Open circuit voltage	Voc (volts)	20.0 V
Short circuit current	Isc (amps)	1.40 A
Solar Cells per Module	Units	36

DIMENSIONS AND WEIGHT :

Length	mm (Inches)	635 (25.03)±1
Width	mm (Inches)	275(10.82) ±0.5
Thickness	mm (Inches)	22(0.866) ±0.5
Weight	kg (lbs)	2.10(4.53) ±5%
Area	Sq.meters (Sq.Ft)	0.21(2.26)

Type of Solar Cell : Mono / Multi Crystalline

Model -AH212		
Power (Max)	Pp (watts)	18Wp
Voltage at rated power	Vld (Volts)	16.4 V
Voltage at maximum power	Vmp (volts)	> 15.0 V
Current at maximum power	Imp (amps)	1.10 A
Open circuit voltage	Voc (volts)	20.0 V
Short circuit current	Isc (amps)	1.40 A
Solar Cells per Module	Units	36

DIMENSIONS AND WEIGHT :

Length	mm (Inches)	635(25.03) ±1
Width	mm (Inches)	405 (14.03) ±0.5
Thickness	mm (Inches)	22 (0.866) ±0.5
Weight	kg (lbs)	3.00 (3.46) ±5%
Area	Sq.meters (Sq.Ft)	0.14(1.48)

Type of Solar Cell : Mono / Multi Crystalline

Model - AH312		
Power (Max)	Pp (watts)	18Wp
Voltage at rated power	Vld (Volts)	16.4 V
Voltage at maximum power	Vmp (volts)	> 15.0 V
Current at maximum power	Imp (amps)	1.10 A
Open circuit voltage	Voc (volts)	20.0 V
Short circuit current	Isc (amps)	1.40 A
Solar Cells per Module	Units	36

DIMENSIONS AND WEIGHT :

Length	mm (Inches)	536 (21.14) ±1
Width	mm (Inches)	500 (19.68) ±0.5
Thickness	mm (Inches)	34 (1.34) ±0.5
Weight	kg (lbs)	3.43 (7.408) ±5%
Area	Sq.meters (Sq.Ft)	0.268(2.88)

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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