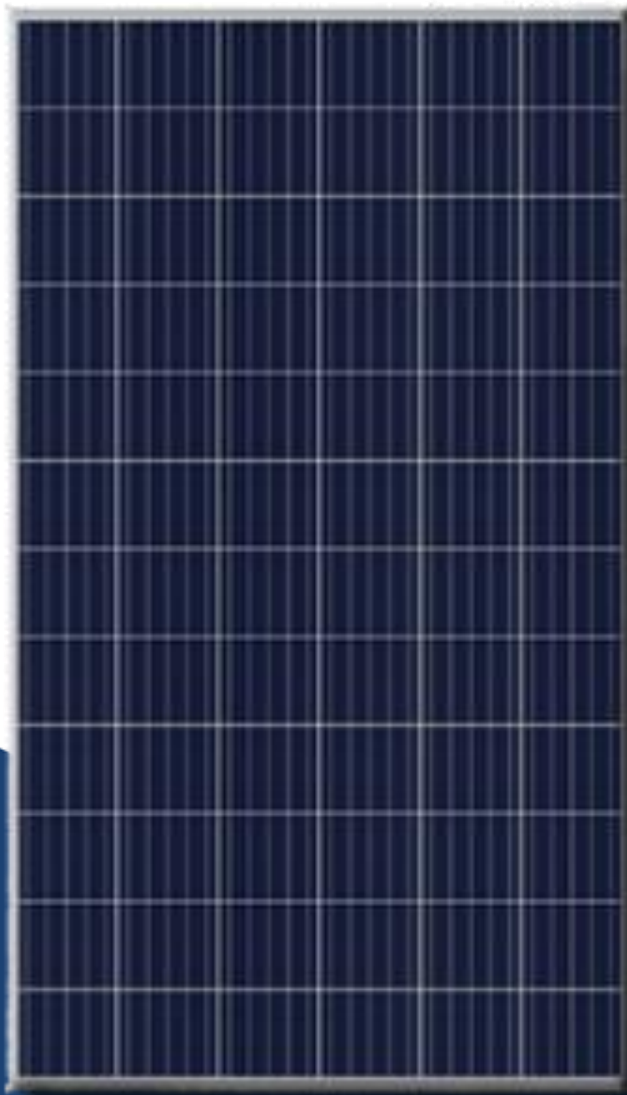


## SOLAR EXPERTS IN CENTRAL INDIA



### SOLAR POLYCRYSTALLINE MODULE

MODEL NO. : AE72FP300WP



### KEY FEATURES

- ✓ Excellent Power Output with **+ve** Tolerance (**up to 2%**)
- ✓ Generate Power even at Low Light
- ✓ High Performance Modules with high efficiency
- ✓ PID Resistance
- ✓ Safety class II
- ✓ ARC, Ultra-clear toughened and textured glass
- ✓ Pre-drilled frame for easy mounting
- ✓ IP-68 rated Junction Box
- ✓ Solar MC4 compatible connector
- ✓ Fire safety class C

 Highly Efficient

 PID free modules

 Outstanding Power performance



**AVERT ENERGY INDIA PVT.LTD.**

TUTA, ATAL NAGAR - NYAYA RAIPUR (C.G.) - 492015

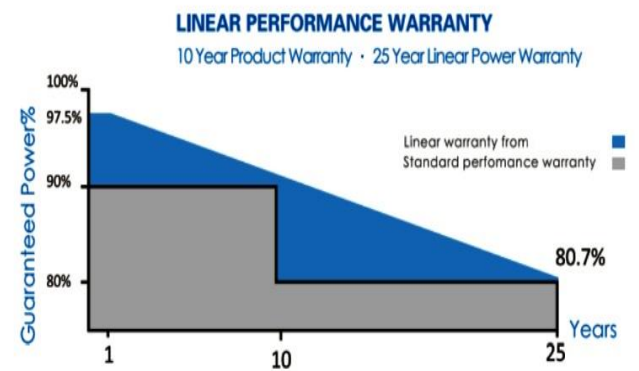
EMAIL : avertenergyindia@gmail.com | ph: 8962828882, 9425202583



IS 14286:2010/IEC61215:2005,  
IS/IEC 61730(PART 1):2004  
IS/IEC61730 (PART 2):2004

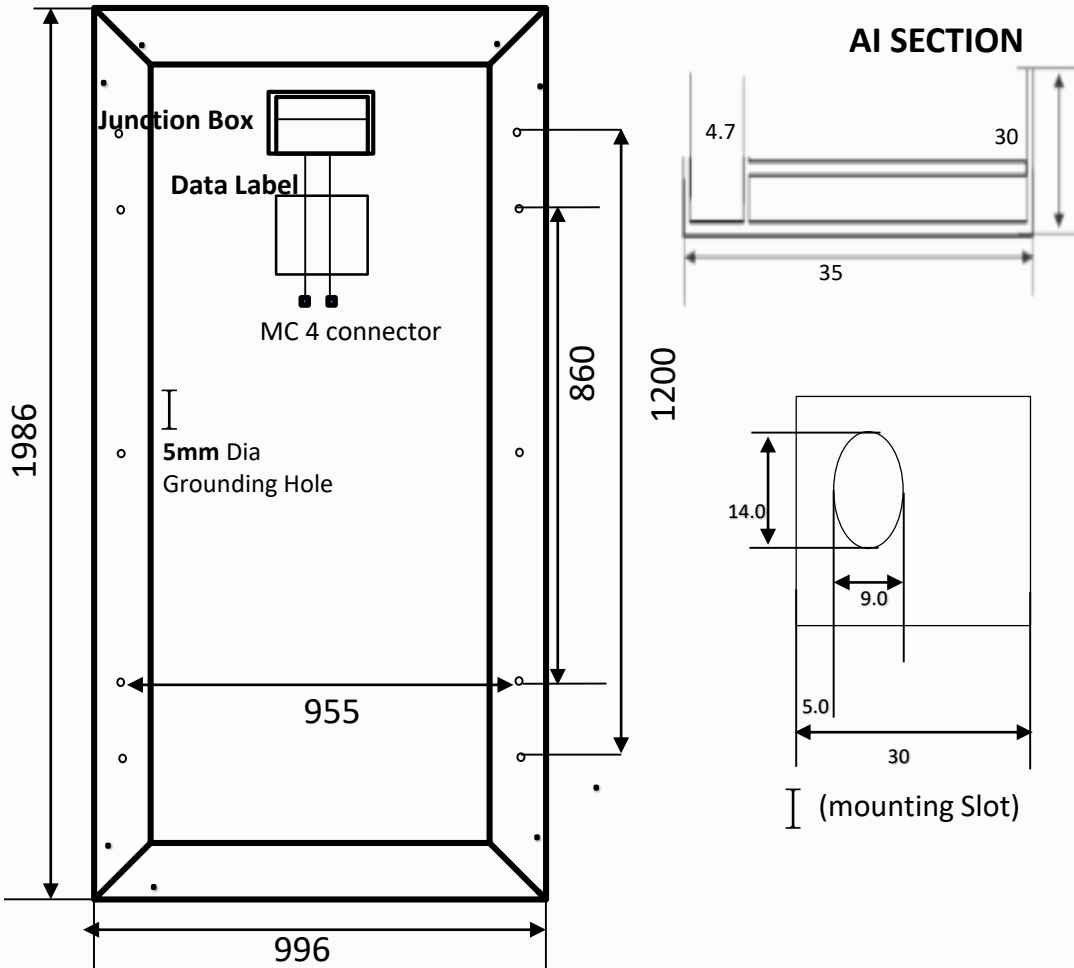


# COMPOSITION LAYERS OF POLYCRYSTALLINE MODULE



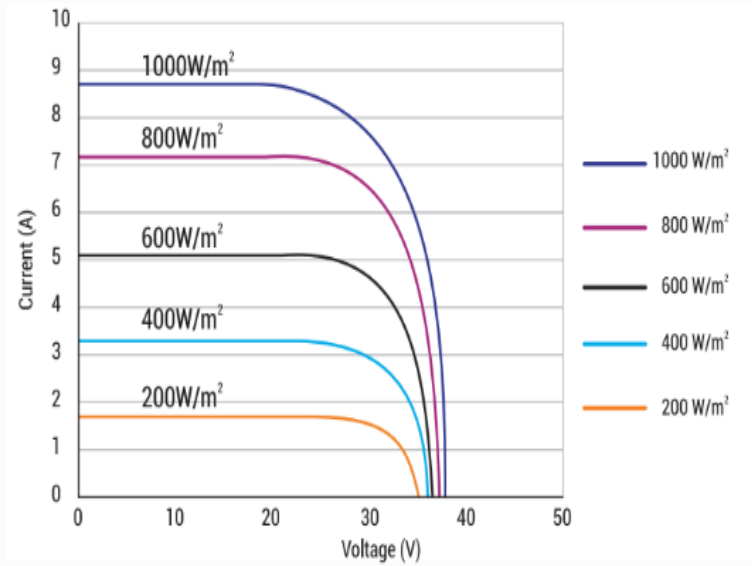
Linear Power Guarantee on Avert Energy modules 97% upto 1 year then @ 0.63% / year

## BACK VIEW



NOTE: All DIMENSIONS ARE IN MM ( $\pm 1$ mm)

## I-V CURVE



## Thermal Specifications

Operating Conditions - (- 40 °C to + 85° C at 85% RH)  
Temperature Co-efficient for Voc/ °C - ( $\beta$ ) -0.30%  
Temperature Co-efficient for Isc/ °C - ( $\alpha$ ) 0.03%  
Temperature Co-efficient for power/ °C - ( $\gamma$ ) -0.39%

## Electrical Specifications

STC Condition	1.5 AM/1000W/m <sup>2</sup> 25 °C
Module WP	300 WP
No of Cell in Series	72 Cell
Short Circuit current (Isc)	8.67 A
Open Circuit Voltage( Voc)	44.60 V
Maximum Voltage (Vmp)	36.36 V
Maximum Current (Imp)	8.25 A
Fill Factor	77.58 %
Module Efficiency	15.17%
System Voltage	1500 VDC
Cell Size in mm	158.75 X 158.75

## Mechanical Specifications

Module Weight	21 kg
Module Dimension (A)*(B)*(C)	1986 x 996 x 35 mm
Mounting Hole(Oblong Size )	9 x 14 mm
Mounting Hole CTC distance – vertical (H)	860 mm
Mounting Hole distance from corner (E)	563 mm
Mounting Hole CTC distance – horizontal(F)	955 mm
Junction Box	Dash 1 Meter
Connector	MC4 Connector
Glass	2.8 mm



Headquarter - Lalganga Business Park, 5th Floor 517, Pachpedi Naka, Raipur (C.G.) 492001 India

