








About us:

Ameya Solar and Semiconductors Pvt Ltd is high-tech PV enterprise dedicated to research & development, production, sales & after sales service, mainly engaged in crystalline silicon solar panels, photovoltaic systems and PV applications. We design and manufacture Solar photovoltaic modules.

Our vision is to transform the energy thinking by making maximum number of people take part in our journey to collaborate with nature by reducing carbon foot prints and make a positive difference to our communities.

Why Ameya?

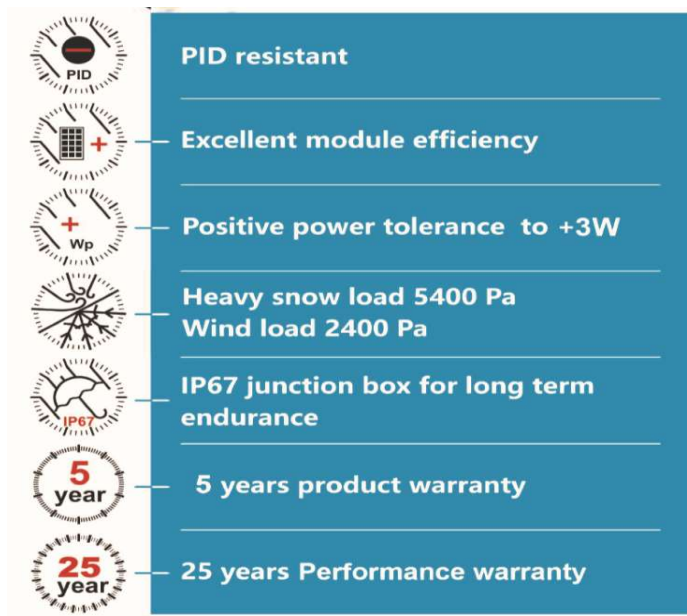
-  Great performance panels – High quality products
-  Stringently controlled manufacturing unit
-  Easy installation
-  Low maintenance
-  After-sales service
-  Excellent Value for Money – Reasonable pricing
-  Convenient location closer to Port, Rail, Airport and National High-way roads








Our Certifications



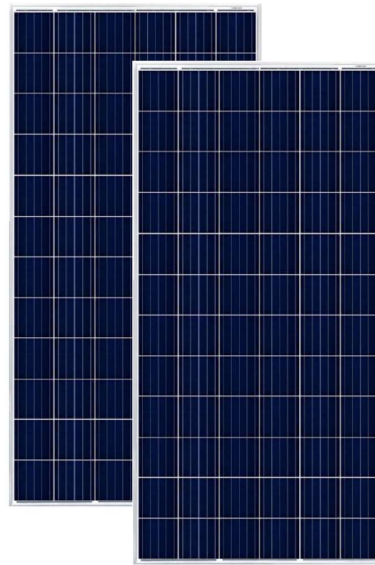
- ✓ ISO 9001-2015, ISO 14001-2015 and CE Certified quality product manufacturer
- ✓ IS14286 – PV Module Design Qualification & Type Approval
- ✓ IS/IEC 61730 Part 1 & 2 – Safety Qualification
- ✓ IEC 61215 – for Crystalline Silicon Modules
- ✓ UL 1703 – Fire test
- ✓ IEC 61701 – Salt Mist Corrosion test
- ✓ IEC 62804 – PID test

Key features




-  **PID resistant**
-  **Excellent module efficiency**
-  **Positive power tolerance to +3W**
-  **Heavy snow load 5400 Pa
Wind load 2400 Pa**
-  **IP67 junction box for long term endurance**
-  **5 years product warranty**
-  **25 years Performance warranty**

Product: ASSPL 72-156.75P (315 - 350 W)

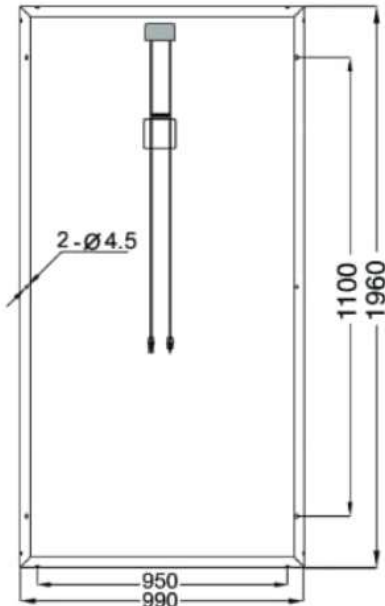


Contact us:

-  Survey No. 161/1/1A, Rajpeta Road, Near Maridimamba Temple, Nagavaram Village, Munagapaka Mandalam, Visakhapatnam - 531 033 Andhra Pradesh, India.
-  www.ameyasolar.com
-  mfg@ameyasolar.com
-  +91 733 738 5772 / 74 / 75 / 71 / 73



**ASSPL 72-156.75P
315 - 350W**



Module Dimension (Unit: mm)



Frame Dimension (Unit: mm)

ELECTRICAL CHARACTERISTICS

| | 315 | 325 | 340 | 350 |
|---|-------|-------|-------|-------|
| Maximum Power P _{mp} , [Watt] | 315 | 325 | 340 | 350 |
| Power Tolerance, [W] | ±3% | ±3% | ±3% | ±3% |
| Voltage at Maximum Power Point V _{mpp} , [V] | 36.67 | 37.23 | 39.73 | 39.95 |
| Current at Maximum Power Point I _{mp} , [A] | 8.59 | 8.73 | 8.56 | 8.77 |
| Open Circuit Voltage V _{oc} , [V] | 45.65 | 45.9 | 46.35 | 47.12 |
| Short Circuit Current I _{sc} , [A] | 9.15 | 9.31 | 9.21 | 9.29 |
| Module Efficiency, [%] | 16.4 | 16.8 | 17.36 | 17.87 |

Measurements under Standard Test Conditions (STC)
Irradiance 1000W/m², AM1.5G Spectrum and Cell Temperature 25°C

MECHANICAL CHARACTERISTICS

| | |
|--------------------|--|
| Cell Type | Poly / Mono crystalline, 156.75mm x 156.75mm |
| Cell Configuration | 72 cells (6 x 12) |
| Module Dimension | 1960mm x 990mm x 38.5mm |
| Module Weight | 25.5 Kgs |
| Glass | 3.2 mm, Low Iron Tempered Solar Glass |
| Frame | Anodized Al alloy Type 6063 T5; Sliver grey |
| J-Box | IP67, 1000V/1500V DC, IEC & UL certified |
| Cable | 4.0mm ² / 12 AWG, 1000mm, IP67 |
| Connectors | MC 4 |

THERMAL CHARACTERISTICS

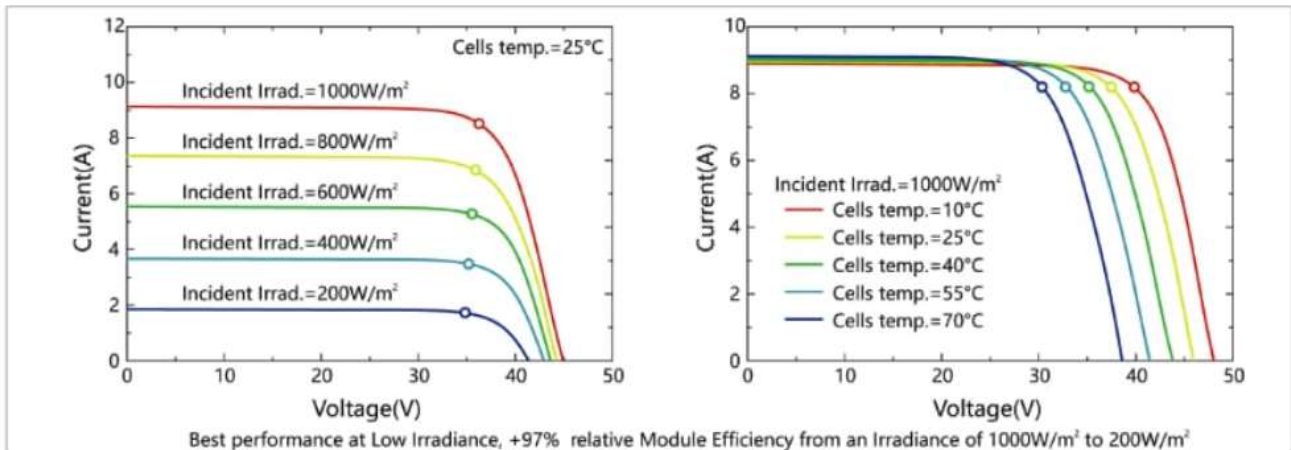
| | |
|---|-------------|
| Nominal Operating Temperature NOCT | 45 ± 2°C |
| Temperature Coefficient of I _{sc} , α | +0.049 %/°C |
| Temperature Coefficient of V _{oc} , β | -0.309 %/°C |
| Temperature Coefficient of P _{max} , γ | -0.416 %/°C |

MAXIMUM OPERATING INSTRUCTIONS

| | |
|----------------------------|----------------|
| Operating Temperature | -40°C to +85°C |
| Maximum System Voltage | 1000V/1500V |
| Maximum Series Fuse Rating | 20A |

PACKING INSTRUCTIONS

| | |
|------------------------------------|----|
| Number Of Modules Per Box / Pallet | 25 |
| Number of Pallets / 40' Container | 22 |



DISCLAIMER: Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation on the Product Development and R&D activities. Ameya Solar reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not form a representative of a single module's data.

Lets collaborate with Nature

by transforming your energy thinking with **Ameya Solar** 

