Ameya Solar and Semiconductors Pvt Ltd.

Product: ASSPL 36-156.75P
150 - 160 W

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.

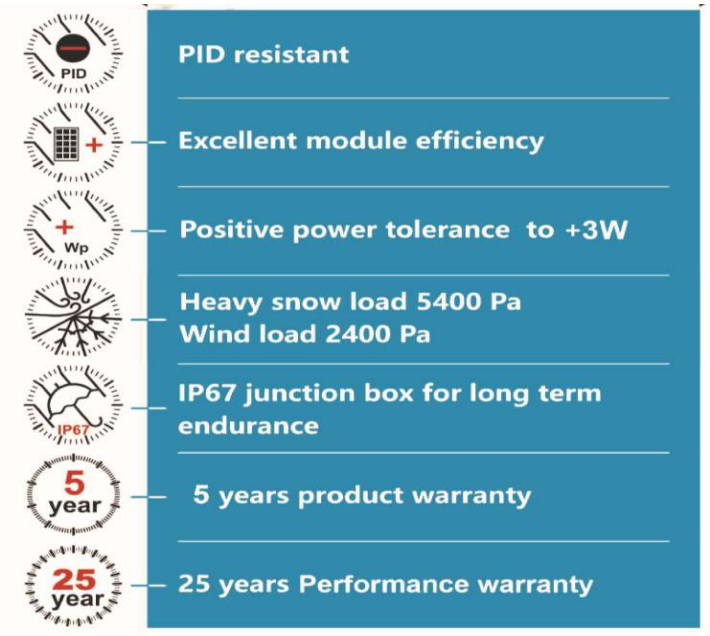
Why Ameya?

- 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 Crystallin Silicon Modules
✓UL 1703 – Fire test
✓IEC 61701 – Salt Mist Corrosion test
✓IEC 62804 – PID test

Key features



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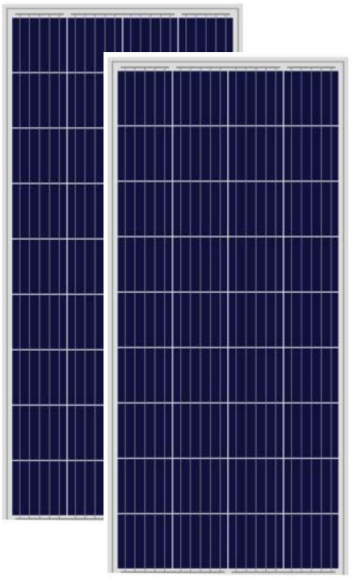

Contact us:

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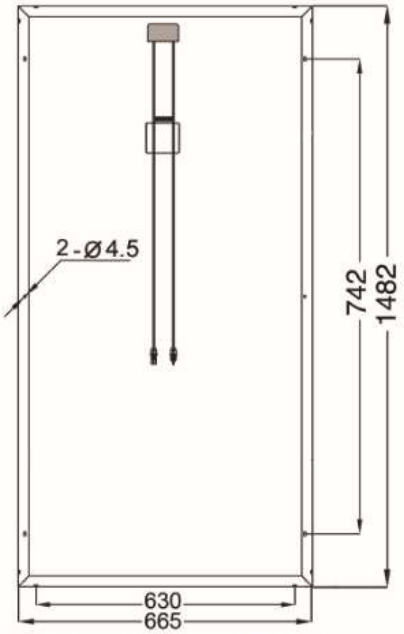
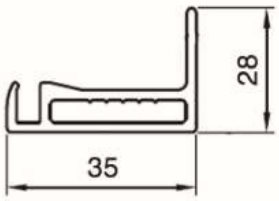


Module Dimension (Unit: mm)



Frame Dimension (Unit: mm)

ELECTRICAL CHARACTERISTICS

Maximum Power P_{mp}, [Watt]	150	160
Power Tolerance, [W]	±3%	±3%
Voltage at Maximum Power Point V_{mpp}, [V]	18.78	18.87
Current at Maximum Power Point I_{mpp}, [A]	7.98	8.42
Open Circuit Voltage V_{oc}, [V]	22.54	22.64
Short Circuit Current I_{sc}, [A]	8.73	9.21
Module Efficiency, [%]	15.22	16.24

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

MECHANICAL CHARACTERISTICS

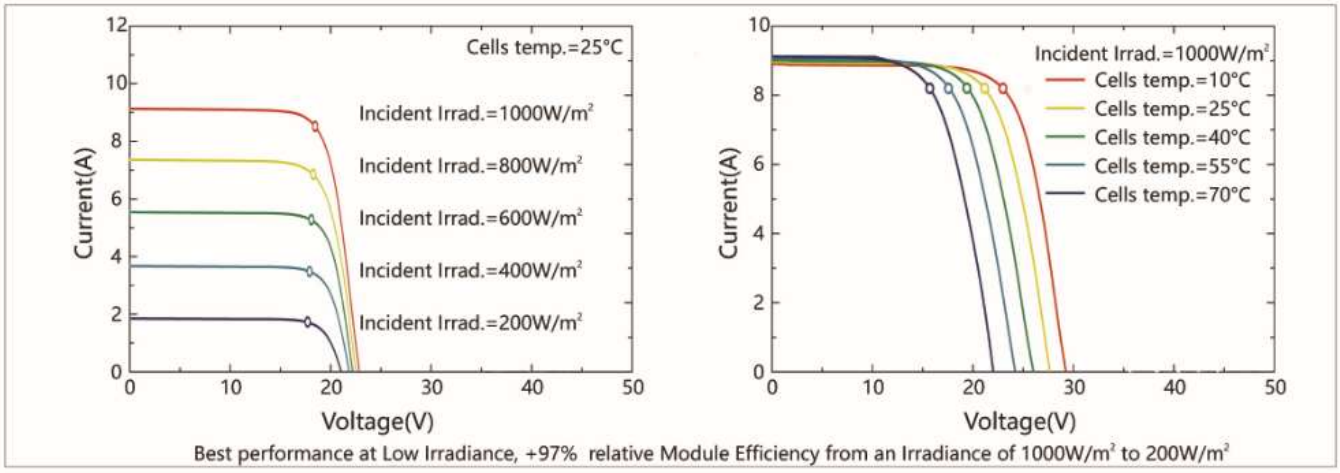
Cell Type	Multicrystalline 156 .75× 156.75 mm (6 inches)
Cell Configuration	36 cells (4 × 9)
Module Dimension	1482× 665× 35 mm
Module Weight	11.5 kg
Glass	3.2 mm Low Iron Tempered Solar Glass
Frame	Anodized Al alloy Type 6063 T5; Silver Grey
J-Box	IP67,1000V/1500V DC,IEC&UL Certified

THERMAL CHARACTERISTICS

Nominal Operating Temperature NOCT	45°C (±2°C)
Temperature Coefficient of I_{sc}, α	- 0.40%/°C
Temperature Coefficient of V_{oc}, β	- 0.30%/°C
Temperature Coefficient of P_{max}, γ	0.05%/°C

MAXIMUM OPERATING INSTRUCTIONS

Operating Temperature	-40°C+85°C
Maximum System Voltage	1000V DC (IEC),1000V DC (UL)
Maximum Series Fuse Rating	15A



Best performance at Low Irradiance, +97% relative Module Efficiency from an Irradiance of 1000W/m² to 200W/m²

Lets collaborate with Nature

by transforming your energy thinking with Ameya Solar