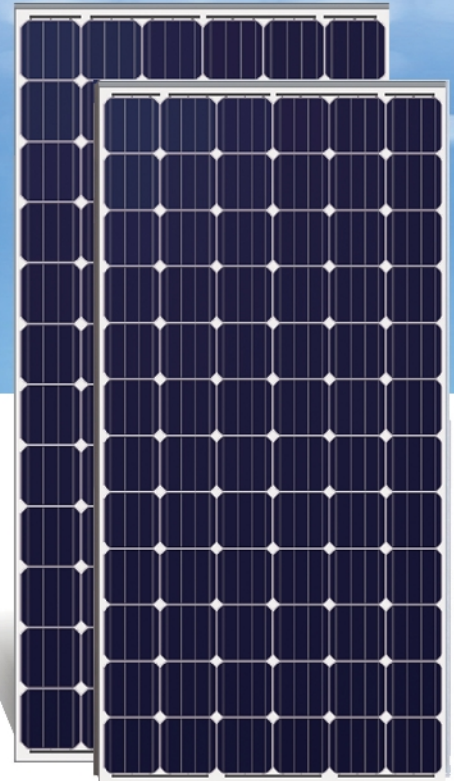


ASSPL 72 -158.75 M








370 - 420 W



Transforming your energy thinking



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
-  10 years product warranty
-  25 years Performance warranty

Ameya Solar and Semiconductors Pvt. Ltd. is a high-tech PV enterprises dedicated to research & development, production, sales & after sales service, mainly engaged in crystalline silicon solar panels, photovoltaic systems, and PV applications. Ameya Solar is committed to offer high quality solar components, systems and services to customers around the world.

CERTIFICATES



- ★ ISO 9001:2015 & 14001:2015
- ★ IS 14286 - PV Modules Design Qualification & Type Approval
- ★ IEC 61215 – Crystalline Silicon Terrestrial PV Modules
- ★ IS / IEC 61730 Part 1&2 – safety qualification (1500 V)
- ★ IEC 61701 – Salt Mist Corrosion Test
- ★ IEC 62804 - PID Test
- ★ UL 1703 Fire Test
- ★ BIS R-66001040



AMEYA SOLAR & SEMICONDUCTORS PVT. LTD.

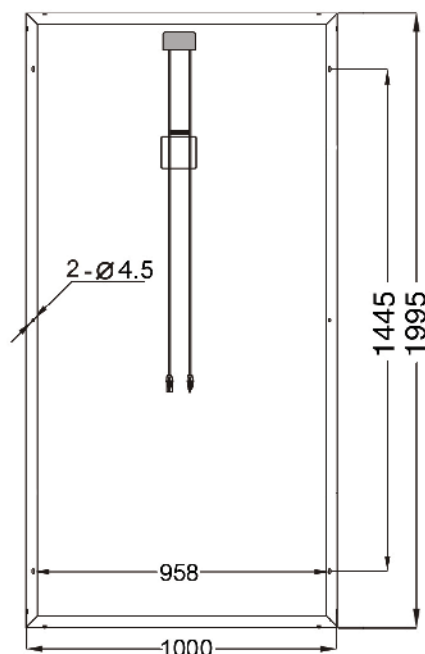
Factory Address

Survey No. 161/1/1A, Rajpeta Road, Near Maridimamba Temple,
Nagavaram Village, Munagapaka Mandalam,
Visakhapatnam - 531 033 Andhra Pradesh, India.

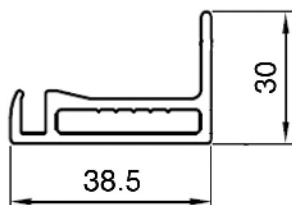
Phone1 : +91 733 738 5774 Phone2 : +91 733 738 5775

Email : mfg@ameyasolar.com Website : www.ameyasolar.com

ASSPL 72-158.75M 370 - 420W



Module Dimension (Unit: mm)



Frame Dimension (Unit: mm)

ELECTRICAL CHARACTERISTICS

	370	380	390	400	420
Maximum Power P_{mp} , [Watt]	370	380	390	400	420
Power Tolerance, [W]	±3%	±3%	±3%	±3%	±3%
Voltage at Maximum Power Point V_{mpp} , [V]	38.88	39.62	40.66	40.70	42.69
Current at Maximum Power Point I_{mpp} , [A]	9.52	9.59	9.62	9.75	9.84
Open Circuit Voltage V_{oc} , [V]	47.10	48.34	48.99	49.46	49.89
Short Circuit Current I_{sc} , [A]	9.78	10.02	10.15	10.25	10.34
Module Efficiency, [%]	19.07	19.45	19.86	19.96	19.99

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

MECHANICAL CHARACTERISTICS

Cell Type	Mono / Mono Perc, 158.75mm x 158.75mm
Cell Configuration	72 cells (6 × 12)
Module Dimension	1995mm x 1000mm x 38.5mm
Module Weight	23 Kgs
Glass	3.8 mm, Low Iron Tempered Solar Glass
Frame	Anodized Al alloy Type 6063 T5; Silver grey
J-Box	IP67, 1000V/1500V DC, IEC & UL certified
Cable	4.0mm ² / 12 AWG, 1000mm, IP67
Connectors	MC 4

THERMAL CHARACTERISTICS

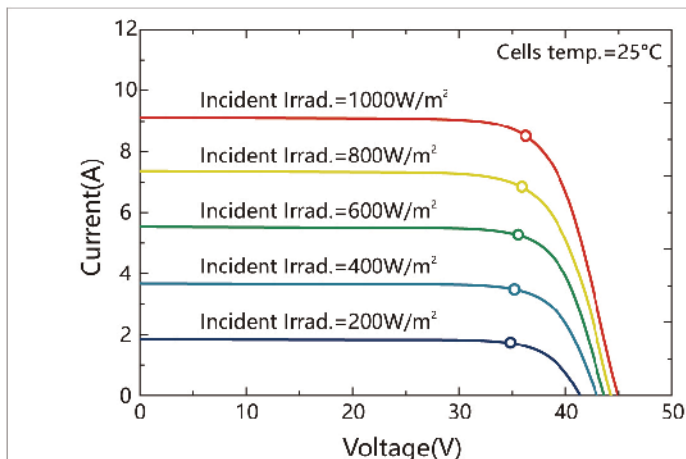
Nominal Operating Temperature NOCT	45 ± 2°C
Temperature Coefficient of I_{sc} , α	+0.049 %/°C
Temperature Coefficient of V_{oc} , β	-0.28 %/°C
Temperature Coefficient of P_{max} , γ	-0.37 %/°C

MAXIMUM OPERATING INSTRUCTIONS

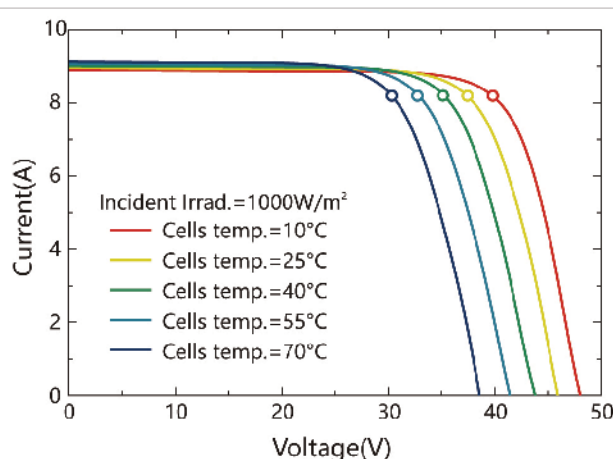
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V/1500V
Maximum Series Fuse Rating	20A

PACKING INSTRUCTIONS

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



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



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.