adani™

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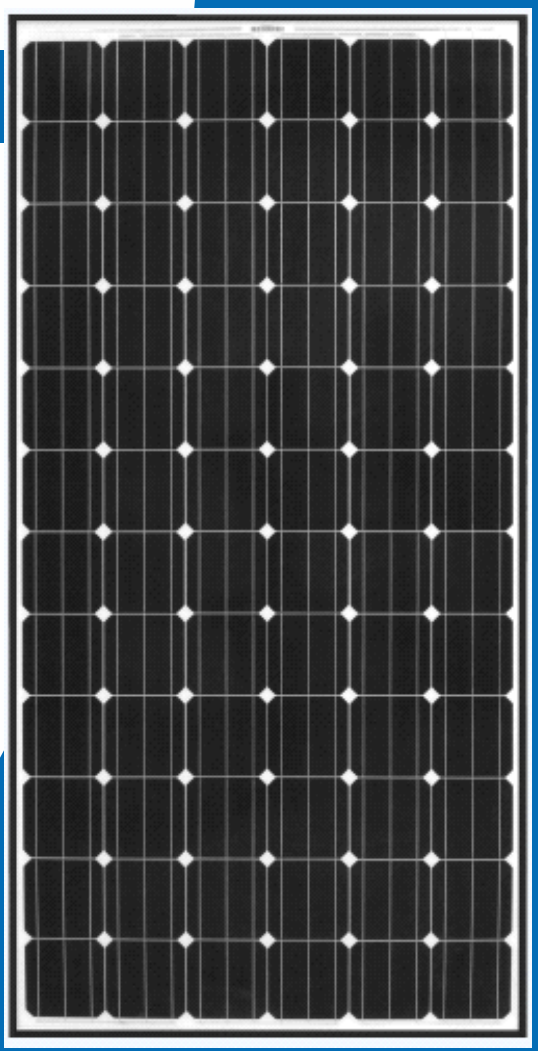
ASM-7-HV-AAA (AAA=335-350)

Lower LCOE, Higher IRR

Mono CRYSTALLINE SILICON SOLAR PV MODULES | 72 CELLS | 335-350 WATT



Best Module for large Utility scale installations

- Designed with PERC cell structure
- 25 Wp higher than standard polycrystalline modules.
- Lesser area per MW scale compared to standard polycrystalline modules. More Power/m2
- Designed for IEC & UL DC **1500 V** applications.
- **30 % Increased String Length**, saving BOS by 6 % leading to lower LCOE*.
- Saves Installation cost by 5 %, Transport cost by 6 %

Higher Energy generating module (kWh/kWp)

- One of Industry **Lowest Temperature Coefficient PV Modules.**
- Superior performance at **NOCT** enabling superior specific energy Yield (kWh/kWp) in the industry.
- Excellent Low Light Intensity performance.
- Performance at longer wavelength(> 1100 nm)
- Positive power tolerance makes it for a guaranteed output for 25 years.

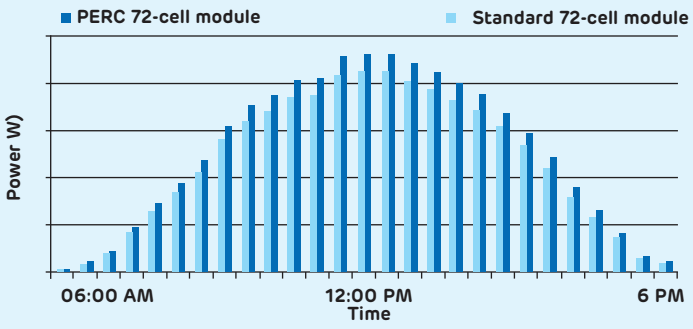
Highly Reliable module with Superior quality control

- **Triple EL** Inspection stages.
- **PID Resistant.**
- Resistance to Salt Mist , Ammonia, Sand & Dust Abrasion.

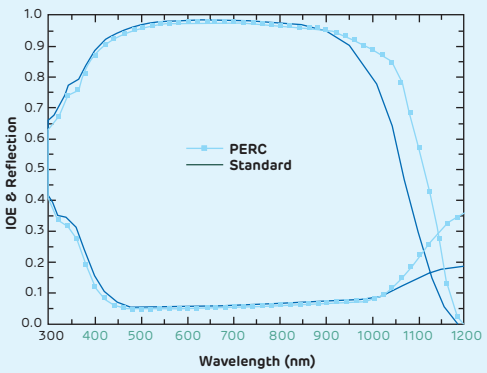
Rigorous Quality Controls

- Rigorous quality control meeting the highest international standards: ISO 9001: 2015, ISO 14001: 2015 and ISO17025: 2005

Higher Generation due to PERC Technology



PERC Technology enables better light capturing abilities at longer wavelength, weak & diffused light and at cloudy conditions.



*In comparison with the Standard Poly Crystalline 72 cell PV module.

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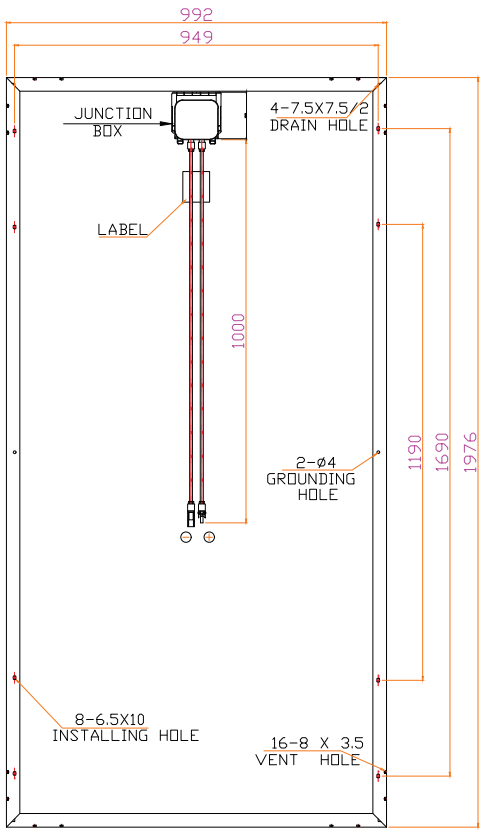
TECHNICAL DATA

Dimensions in mm



Electrical Data – All data refers to STC (AM 1.5, 1000 W/m², 25°C)

Peak Power, (0 ~+ 4.99 Wp) Pmax(Wp)	335	340	345	350
Maximum Voltage, Vmpp (V)	37.96	38.19	38.40	38.59
Maximum Current, Impp (A)	8.84	8.92	9.00	9.08
Open Circuit Voltage, Voc (V)	46.69	46.88	47.08	47.26
Short Circuit Current, Isc (A)	9.39	9.48	9.56	9.68
Module Efficiency (%)	17.09	17.34	17.60	17.85

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM 1.5 according to EN 60904-3. Average efficiency reduction of 4.5 % at 200 W/m² according to EN 60904-1.

Electrical Parameters at NOCT

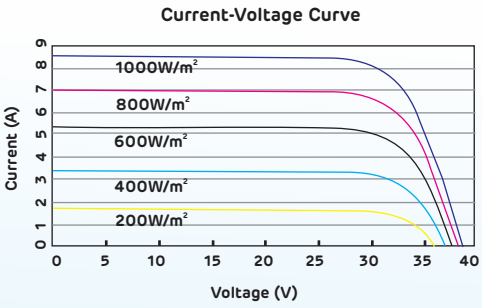
Power(Wp) at NOCT	244.94	248.6	253.22	256.1
V@Pmax(V) at NOCT	34.79	35.08	35.33	35.61
I@Pmax (A) at NOCT	7.04	7.09	7.17	7.19
Voc (V) at NOCT	42.98	43.19	43.4	43.64
Isc (A) at NOCT	7.64	7.71	7.76	7.84

*NOCT irradiance 800 W/m2, ambient temperature 20°C, wind speed 1 m/sec

Temperature Coefficients (Tc) and permissible operating conditions

Tc of Open Circuit Voltage (β)	- 0.31 % /°C
Tc of Short Circuit Current (α)	0.069 % /°C
Tc of Power (γ)	- 0.40 % /°C
Maximum System Voltage	1500 V (IEC & UL)
NOCT	44°C ± 2°C
Temperature Range	- 40°C to + 85°C

IV Curves



Mechanical Data

Length	1976 mm
Width	992 mm
Height	35 mm & 40 mm
Weight	22 Kg (35 mm) & 27 Kg (40mm)
Junction Box	IP67
Cable & Connectors	1000 mm length cable, MC4 & Amphenol Connectors
Application Class	CLASS A (Safety Class II)
Superstrate	HIGH Transmittance ARC Glass
Cells	72 Monocrystalline solar cells ; 4 bus bars, 156.75 mm x 156.75 mm
Encapsulation	Low Shrinkage PID Resistant EVA
Substrate	Back sheet
Frame	Anodized aluminum frame with twin wall profile
Mechanical load Test as per IEC & UL	5400 Pa-Front ; 2400 Pa-Back
Maximum Series Fuse Rating	15 A

Packing Information

Container	20'GP	40'HC
Pieces/ Container	250	600

Warranty and Certifications

Product Warranty**	**25 Years Linear Power Warranty**
Performance Guarantee**	Power Degradation < - 2.5 % in First year < - 0.68 % / year in 2-25 year
Approvals and Certificates*	IEC 61215 Ed2, IEC 61730, IEC 61701, UL 1703, MCS, JET, CEC, CEC-Aus, IEC 62716, IEC 62759, IEC 62804

*CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT

NOTE:

- The specification included in this datasheet are subject to change without notice.
- The Electrical Data given here are for reference only.
- Please confirm your exact requirements with the Sales Representative while placing your order

*All Certifications under progress. ** Warranty :- Please read Adani Solar Warranty Documents thoroughly
*This is a preliminary datasheet and is subjected to change as per manufacturer & Certifying body's results.

Recyclable packaging