

ATULYA Grande 1500 V Series

ATULYA Grande PIL-72M-380-395 | MONOCRYSTALLINE SOLAR MODULES | 72 CELLS | 380 – 395 Wp

15
Years

Product Warranty

72 Cells
MONOCRYSTALLINE

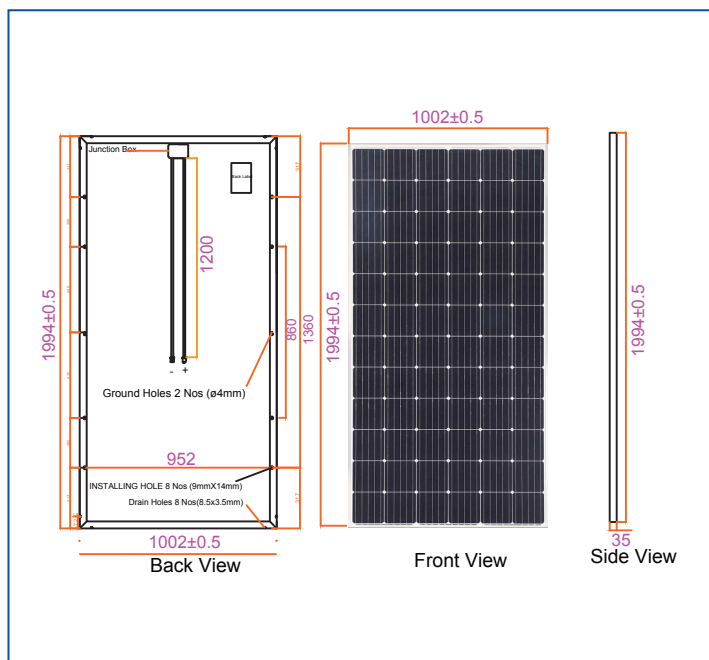
Upto 19.83%
EFFICIENCY

380 – 395 Wp
RANGE

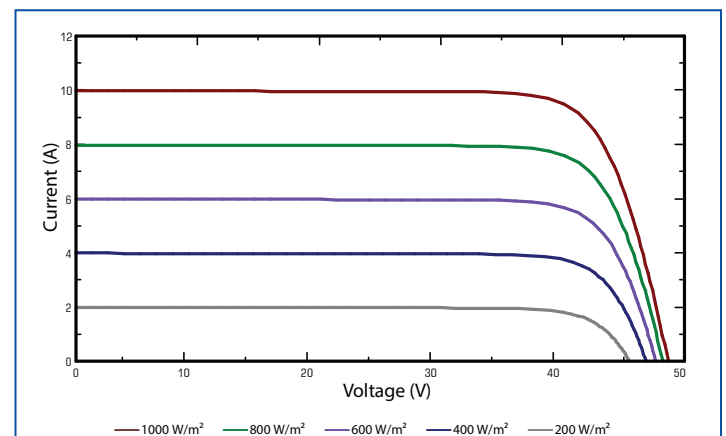
1500 V System Voltage

- More than 10% Higher Output than most of the Polycrystalline Modules
- Designed & Engineered to Provide Excellent Low Light and Longer Wavelength Response
- We Use Only Highly Efficient Passivated Emitter Rear Contact (PERC) Technology Cells
- Narrow Power Binning Tolerance
- Extremely Low Light Induced Degradation
- Sustain Heavy Wind & Snow Loads (2400 Pa & 5400 Pa)

Module Dimensions Diagram



Typical I-V Curves

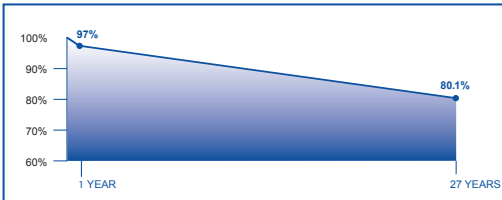


Average relative efficiency reduction of 5% at 200 W/m according to EN 60904-1.

Pennar Industries Limited

Pennar Industries Limited is one of the leading engineering organizations in India well known for its expertise in providing engineered products & services with our presence in more than 20 Countries across the Globe. An epitome of quality, precision, and perfection, Pennar is driven by an unrelenting desire to excel with experience spanning over three decades.

Product Specifications

Electrical Data [All Data refers to STC (AM 1.5g, 1000 W/m², 25°C)]					Electrical Parameters at NOCT				
Peak Power Pmax (0 ~ +4.99 Wp)	380	385	390	395	Module Rating (Wp)	380	385	390	395
Maximum Voltage Vmpp (V)	39.70	39.90	40.10	40.28	Power (W)	280.70	284.30	288.20	291.60
Maximum Current Impp (A)	9.58	9.65	9.73	9.81	V @ Pmax (V)	37.00	37.28	37.47	37.60
Open Circuit Voltage Voc (V)	48.45	48.65	48.85	49.05	I @ Pmax (A)	7.59	7.63	7.69	7.75
Short Circuit Current Isc (A)	9.90	9.95	10.03	10.12	Voc (V)	44.63	44.81	44.99	45.18
Module Efficiency (%)	19.08	19.33	19.58	19.83	Isc (A)	8.00	8.05	8.11	8.18
STC:1000 W/m² Irradiance, 25°C Cell Temperature, AM 1.5g Spectrum according to EN 60904-3. Average Relative Efficiency Reduction of 5% at 200 W/m² according to EN 60904-1. Power measurement uncertainty is within +/- 3%					NOCT Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/sec				
Temperature Coefficients (Tc)[Permissible Operating Conditions]					Mechanical Data				
Tc of Open Circuit Voltage [β]	-0.27% / °C				Length x Width x Height	1994 x 1002 x 35 mm. (78.50 x 39.44 x 1.38 inches)			
Tc of Short Circuit Current [α]	0.057% / °C				Weight	22.50 Kg (49.61 lbs)			
Tc of Power [γ]	-0.37% / °C				Junction Box	IP68, 3 Bypass Diodes			
Maximum System Voltage	1500 Volt				Cables & Connectors	1200 mm. (47.24 inches) length of cable, MC4 Compatible Connectors			
NOCT	46 Degree Celsius (+/- 2°C)				Applocation Class	Class A (Safety Class II)			
Temperature Range	-40°C to + 85°C				Superstrate / Glass	3.2 mm (0.13 inches) High transmittance low iron tempered glass AR Coat			
Warranty & Certifications					Cells	Mono-Crystalline PERC 5BB Anti PID Grade A of size 158.75 x 158.75			
Product Warranty	15 Years				Cell Encapsulant	EVA (Ethylene Vinyl Acetate) Thickness 0.45 mm. +/- 5%			
Performance Warranty**	Linear Power Warranty for 27 Years with 3% for 1st Year Degradation & 0.67% from Year 2 to Year 27				Backsheet	Non – Fluoro Type, UV Stable PET with thickness of 365 microns for 1500V			
Approvals & Certificates	IS 14286*, IS/IEC 61730-1*, IS/IEC 61730-2*, DNV-GL ISO 9001:2015, TUV IATF 16949:2016 (1st Edition, 2016-10-01)				Frame	Anodized Aluminium Frame			
(*) Certifications Under Progress (**) Refer to Pennar Industries Limited Warranty Document for Terms & Conditions					Mechanical Load Test	5400 Pa (Snow Load), 2400 Pa (Wind Load)			
Performance Warranty					Maximum Series Fuse Rating	20 A			
					Address				
Corporate Address: Pennar Industries Ltd. 9th Floor (West Wing) DHFLVC Silicon Towers Kondapur, Hyderabad Telangana – 500084 (INDIA)					Factory Address: Pennar Industries Ltd. Sy No. 144 & 145, Chandpur Village Sadasivapet, Dist. Sangareddy Telangana – 502291 (INDIA)				
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Packaging Information		Export		Container Size: 40' HC	Pallets / Container: 24		Pieces / Container: 720		
Domestic	Truck Size: 32' (Multi-axel closed body)	Pallets / Truck: 16		Pieces / Truck: 480					
Domestic	Truck Size: 19' (Open body)	Pallets / Truck: 10		Pieces / Truck: 300					

CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order

Contact Details:

www.pennarindia.com | www.pebspennar.com | pvsales@pebspennar.com
040 – 40061621 / 22 / 23 / 24 | 0 98919 43767



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