

ES
PANTHER
Series



MONO PERC MODULE
72 Cell

POWER OUTPUT RANGE
375-430Wp

MAXIMUM EFFICIENCY
20%

Super Sun Solar is a first Solar PV Module manufacturer in North India which is using "Fully Automatic Complete Turnkey line from Mondragon Assembly, Europe".

- Extended wind and snow load tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 pascal).
- High module conversion efficiency
module efficiency up to 20% achieved.
- Good temperature coefficient
Enables higher output in high temperature regions
- IP67 Rated junction box
IP67 junction box for long-term weather endurance.



Reliability

- 100% EL tested to ensure micro crack free Modules
- Rigorous quality control meeting the highest International Standards
- **European 3 in 1 AAA Sun Simulator** from Endeas
- Hi Pot Inline Testing capability
- Robotic String Layup.

Applications

- Utility Projects
- Rooftop residential, commercial and industrial roof top installations
- Off-grid Projects

MONO PERC 72 CELLS MODULE

MODEL TYPE	SSS	SSS	SSS	SSS	SSS	SSS	SSS
	340MP72	345MP72	350MP72	355MP72	360MP72	365MP72	370MP72
CELL TYPE	MONO PERC-72 CELL	MONO PERC-72 CELL	MONO PERC-72 CELL	MONO PERC-72 CELL	MONO PERC-72 CELL	MONO PERC-72 CELL	MONO PERC-72 CELL
MAXIMUM POWER(P _{MAX}) WP	340	345	350	355	360	365	370
MAXIMUM POWER VOLTAGE (V _{MP}) V	38.20	38.50	38.70	38.80	39.00	39.20	39.20
MAXIMUM POWER CURRENT(I _{MP}) A	8.90	8.96	9.04	9.14	9.24	9.32	9.40
OPEN CIRCUIT VOLTAGE(V _{OC}) V	46.20	46.70	47.00	47.40	47.70	47.90	48.10
SHORT CIRCUIT CURRENT(I _{SC}) A	9.50	9.55	9.60	9.65	9.70	9.76	9.82
MODULE EFFICIENCY (>) %	17.50	17.70	18.00	18.30	18.50	18.70	19.00

Temperature Ratings

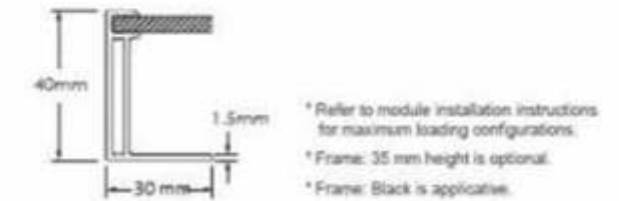
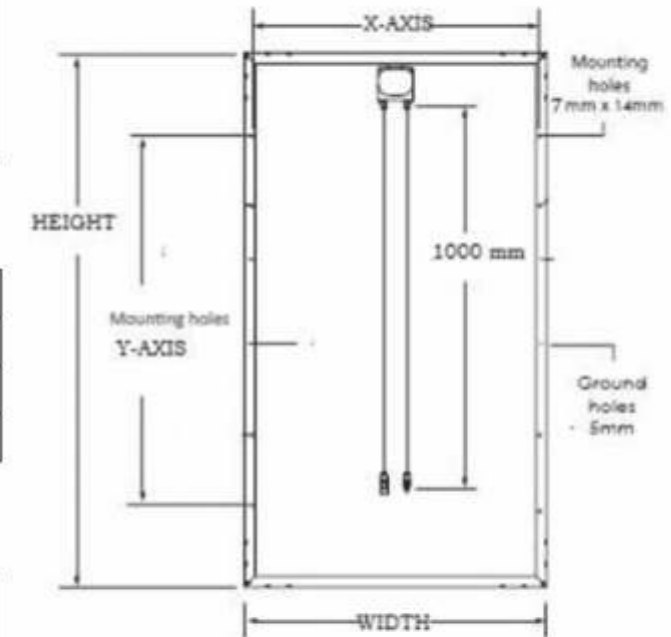
NOMINAL OPERATING CELL TEMPERATURE (NOCT)	45°C ± 2 °C
TEMPERATURE COEFFICIENT OF P _{MP}	-0.39%/°C
TEMPERATURE COEFFICIENT OF V _{OC}	-0.30%/°C
TEMPERATURE COEFFICIENT OF I _{SC}	+0.06%/°C

Mechanical Data

DIMENSIONS (HXWXT)	1955 X 990 X 40/35 MM
WEIGHT (KGS)	22.5 KG
MOUNTING HOLE (X-AXIS)	942 MM
MOUNTING HOLE (Y-AXIS)	977.5 MM

General Data

SOLAR CELLS (MM)	156.75 X 156.75
CELL ORIENTATION	12 X 6
FRONT GLASS	ARC, TEMPERED & LOW IRON GLASS, 3.2 MM
FRAME	ANODIZED ALUMINUM ALLOY
JUNCTION BOX	IP 68
CABLE & CONNECTORS	4 SQ MM, 1000 MM LENGTH WITH MC4 CONNECTORS



Maximum Ratings

OPERATING TEMPERATURE	-40 TO 85°C
MAXIMUM SYSTEM VOLTAGE	1500 V
MAXIMUM SERIES FUSE RATING	15 A
APPLICATION CLASSIFICATION	A
ELECTRICAL TOLERANCE	±3%

Under Standard Test Condition (STC) of Irradiance of 1000 w/m², Spectrum AM 1.5 and Cell Temperature of 25°C

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