

SUPER SUN SOLAR

Rising Together

ES PUMA Series







POLY MODULE
36 / 48 Cell

POWER OUTPUT RANGE
20-75Wp

MAXIMUM EFFICIENCY
15%

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 15% 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

SMALL MODULES

MODEL TYPE	3S 20P36	3S 30P36	3S 40P36	3S50P36	3S60P36	3S 75P36
CELL TYPE	POLY-36 CELL	POLY-36 CELL	POLY-36 CELL	POLY-36 CELL	POLY-36 CELL	POLY-36 CELL
MAXIMUM POWER(P _{MAX}) WP	20	30	40	50	60	75
MAXIMUM POWER VOLTAGE (V _{MP}) V	18.10	18.10	18.20	18.20	18.20	18.20
MAXIMUM POWER CURRENT(I _{MP}) A	1.11	1.66	2.20	2.75	3.00	4.27
OPEN CIRCUIT VOLTAGE(V _{OC}) V	21.98	22.00	22.20	22.30	24.20	22.20
SHORT CIRCUIT CURRENT(I _{SC}) A	1.25	1.83	2.41	2.99	3.34	4.65
MODULE LENGTH	255	365	435	535	660	780
MODULE WIDTH	665	665	665	665	665	665
MODULE HEIGHT	25	25	25	25	25	25
MODULE EFFICIENCY (>) %	13.00	13.17	14.21	14.31	14.21	14.57

MODEL TYPE	3S 80P36	3S 100P36	3S 120P36	3S 155P36	3S 160P36
CELL TYPE	POLY-36 CELL	POLY-36 CELL	POLY-36 CELL		POLY-36 CELL
MAXIMUM POWER(P _{MAX}) WP	80	100	120	155	160
MAXIMUM POWER VOLTAGE (V _{MP}) V	18.20	18.30	18.30	18.50	18.80
MAXIMUM POWER CURRENT(I _{MP}) A	4.40	5.46	6.14	8.51	8.60
OPEN CIRCUIT VOLTAGE(V _{OC}) V	22.30	22.60	22.60	22.20	22.20
SHORT CIRCUIT CURRENT(I _{SC}) A	4.72	5.86	6.54	9.28	9.25
MODULE LENGTH	780	1000	1250	1485	1485
MODULE WIDTH	665	665	665	665	665
MODULE HEIGHT	25	25	25	25	25
MODULE EFFICIENCY (>) %	14.39	14.69	14.69	15.63	15.63

Temperature Ratings

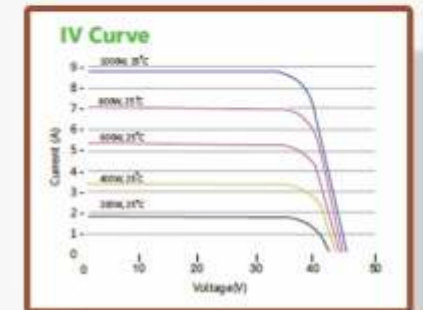
NOMINAL OPERATING CELL TEMPERATURE (NOCT)	45°C ± 2 °C
TEMPERATURE COEFFICIENT OF P _{MP}	-0.42%/°C
TEMPERATURE COEFFICIENT OF V _{OC}	-0.35%/°C
TEMPERATURE COEFFICIENT OF I _{SC}	+0.06%/°C

Mechanical Data & General Data

CELL ORIENTATION	9*4
FRONT GLASS	ARC, TEMPERED & LOW IRON GLASS, 3.2 MM
FRAME	ANODIZED ALUMINUM ALLOY

Maximum Ratings

OPERATING TEMPERATURE	-40 TO 85°C
MAXIMUM SYSTEM VOLTAGE	600 V
MAXIMUM SERIES FUSE RATING	10 A
APPLICATION CLASSIFICATION	A
ELECTRICAL TOLERANCE	±3%
Under Standard Test Condition (STC) of Irradiance of 1000 w/m ² , Spectrum AM 1.5 and Cell Temperature of 25°C	



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