

Poly-crystalline Solar PV Module

72 Cells



Superior Performance

- Lower Temperature Coefficient
- Lower NOCT & higher performance at NOCT & PTC Conditions.
- Excellent Performance at Low Light Irradiation (200 W/m²)



High-Power

- Higher Efficiency
- Modules with 7% higher energy output than Industry Average.
- Higher Energy



Fully Automated

Manufactured on 100% automated line; using state-of-the-art module manufacturing technology.



Electrical Parameter NOCT

Peak Power	305	310	315	320	325	330	335
V _{mpp} @NOCT	223.1	227.5	232	238.4	242.5	246.8	252.1
I _{mp} @NOCT	35.02	35.27	35.31	35.37	35.25	35.41	35.53
V _{oc} @NOCT	6.37	6.45	6.57	6.74	6.88	6.97	7.10
I _{sc} @NOCT	7.07	7.11	7.22	7.33	7.42	7.50	7.60

Temperature Coefficient

T _c of Open Circuit Voltage (β)	- 0.28%/°C
T _c of Short Circuit Current (α)	0.057%/°C
T _c of Power (γ)	-0.39%/°C
Maximum System Voltage	1500 V
NOCT	45°C ± 2°C
Temperature Range	-40°C to + 85°C

Mechanical Data

Length × Width × Height	1960 × 990 × 40 mm (77.16 × 38.97 × 1.58 inches)
Weight	20.7 kg (45.63 lbs)
Junction Box	IP68/IP67, 3 Bypass diodes
Cable & Connectors	1200 mm (47.24 inches) length cables, MC4 Compatible/MC4 Connectors/Amphenol
Application Class	Class A (Safety class II)
Superstrate#	3.2 mm (0.13 inches) high transmission low iron tempered glass, AR coated
Cells	72 Polycrystalline , 5BB solar cells
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)

Back Sheet	Composite film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 Pa (Snow load), 2400 Pa (Wind load)

Warranty

Product Warranty**	10 years
Performance Warranty**	Linear Power Warranty for 25 years with 3% for 1st year degradation and 0.65% from year 2 to year 25

Certification



SOLAR MODULE

BATTERY

OFFGRID INVERTER

EV-CHARGER

EV-CHARGING STATION

SUNCORP SOLAR IS A PRODUCT MANUFACTURED & OWNED BY

VEDANSH INFRAENERGY PRIVATE LIMITED

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