



WORLD CLASS SOLAR MODULES

EVVO - IG - Series - 72P

72 Cells
Polycrystalline
Module

315 - 340W
Power Output
Range

16.28 to 17.57%
Maximum
Efficiency

0 - 3%
Power Tolerance



Fully Automated
Robotic Solar Plant



A Grade
Modules



World Class
B.O.M



Double Quality
Checked



Continuous
R & D

Features

- Higher module conversion efficiency up to 17.57%.
- Up to +3% positive power output guaranteed.
- Loss minimization due to excellent temperature co-efficient.
- BOS cost reduction for 1500 VDC System by connecting more modules in a string.
- Reducing equipment loss increases the power generation in overall system.
- Better performance even at low irradiance condition.
- Higher specific yield.

Quality & Reliability

- Manufactured in an ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 certified facility.
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- PIO resistant (IEC 62804).
- IP67/IP68 rated junction box for long-term weather endurance .
- 25 years output warranty.
- Certified for hail resistance



WORLD CLASS SOLAR MODULES

Electrical Parameter at STC

Module Type						
Capacity rating - Pmax(Wp)	315	320	325	330	335	340
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3
Module efficiency (%)	16.28	16.53	16.79	17.05	17.31	17.57
Rated voltage - Vmp(V)	36.7	36.9	37.2	37.4	37.7	37.9
Rated current - Imp(A)	8.59	8.68	8.75	8.83	8.9	8.98
Open circuit voltage - Voc(V)	45.5	45.7	45.9	46.2	46.5	46.8
Short circuit current - Isc(A)	8.98	9.05	9.12	9.19	9.26	9.32

Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

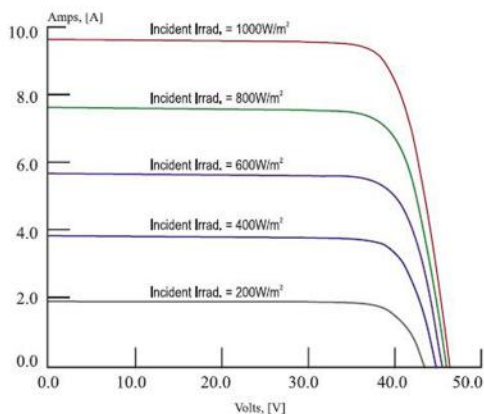
Electrical Parameter at NOCT

Capacity rating - Pmax(Wp)	234.27	238.01	241.89	245.41	249.34	252.91
Rated voltage - Vmp(V)	33.98	34.17	34.44	34.63	34.91	35.09
Rated current - Imp(A)	6.89	6.97	7.02	7.09	7.14	7.21
Open circuit voltage - Voc	42.52	42.71	42.90	43.18	43.46	43.74
Short circuit current - Isc(A)	7.24	7.30	7.35	7.41	7.47	7.52

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

Guarantees and certifications

Product warranty**	10/12 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years 80% for 25 years & 75% for 30 years
Product Certified	IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 62804, CE, BIS



Mechanical specification

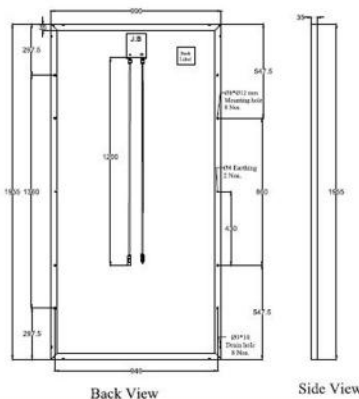
Solar cells	72 pcs Polycrystalline Silicon, 5BB/4BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheet
Frame	Silver Anodized Aluminium Alloy (screwless)
Front glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 1955 mm x (W) 990 mm x (H) 35mm
Weight	21.5 kg
J-box	IP67/IP68 certified 4-rail, 3 diodes junction box
Cable	Solar cable 400mm to 1200 mm length, 4 mm ²
Connectors	MC4 compatible connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	(snow load 5400 Pa, wind load 2400 Pa).

Temperature Coefficients (TC)

Temperature Coefficient (Voc)	-0.30% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

Permissible Operating Conditions

Temperature range	-40°C to + 85°C
Maximum system voltage	1500/1000 VDC
NOCT	45 ± 2°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s



Container	20' GP	40' HC
Pallets/ container	10	24
Modules / Container	300	720

Sales Offices

#371, SIDCO Industrial Estate,
Opposite Godrej 2nd Gate,
North Phase Ambattur,
Chennai - 600 098.
+91 72999 09691
sales@evolveindia.in
ms@evolveindia.in

Unit No. J-13, Ansa Industrial Estate,
'J' Wing, Saki Vihar Road,
Saki Naka, Andheri (West),
Mumbai - 400072, Maharashtra.
+91 79771 32365 / 98673 59270
dd@evolveindia.in
kd@evolveindia.in

Plot No: 17A,
Suraj Vihar,
Opposite to NSIT North gate,
New Delhi- 110078.
+91 95668 88404 / 78913 79465
ro.north@evolveindia.in
mb@evolveindia.in