

EVVO 72GN1 MONO PERC MODULE

350-380W

IG - SERIES



FEATURES

- Excellent module conversion efficiency of up to 19.63%.
- BOS cost Reduction for 1500 VDC System by connecting more modules in a string.
- Up to +2% positive power output guaranteed.
- Better performance even at low irradiance condition.
- Reducing equipment loss increases the power generation in overall system.
- Higher specific yield.
- Loss minimization due to excellent temperature co-efficient.

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.
- IP67/IP68 rated Junction box for long-term weather endurance
- Salt mist and ammonia corrosion resistant (IEC 61701 & IEC 62716).
- PID resistant (IEC 62804).
- 25 years output warranty.
- Certified for hail resistance.
- Certified with IEC & BIS.

EVVO
WORLD CLASS SOLAR MODULES

PREMIUM QUALITY

MADE IN **INDIA**

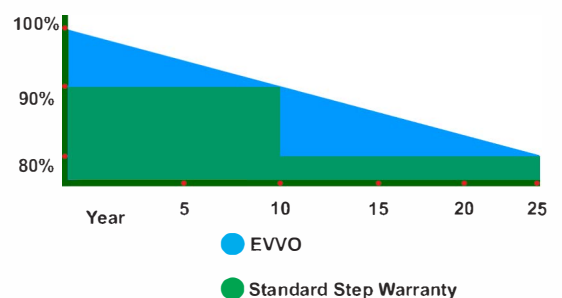


PRODUCT WARRANTY



PERFORMANCE WARRANTY

LINEAR PERFORMANCE WARRANTY



Manufacturing Unit
Surat - India

Reg Office : Shimato Enterprises Pvt. Ltd., Chennai - 98, India.
info@evvosolar.com | www.evvosolar.com



**EVVO 72GN1
MONO PERC MODULE**

Electrical Parameter at STC

Module Type	EVVO 072FWpPRC24						
Capacity rating – Pmax(Wp)	350	355	360	365	370	375	380
Power Tolerance (%)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Module efficiency (%)	18.08	18.34	18.60	18.86	19.12	19.38	19.63
Rated voltage - Vmp(V)	38.40	38.60	38.80	39.10	39.30	39.52	39.75
Rated current - Imp(A)	9.12	9.20	9.28	9.34	9.42	9.49	9.56
Open circuit voltage - Voc(V)	47.30	47.50	47.70	47.90	48.10	48.40	48.70
Short circuit current - Isc(A)	9.48	9.56	9.64	9.72	9.78	9.84	9.92

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

Electrical Parameter at NOCT

Capacity rating – Pmax(Wp)	260.10	263.75	267.42	271.23	274.96	278.55	282.24
Rated voltage - Vmp(V)	35.62	35.81	35.99	36.27	36.46	36.66	36.87
Rated current - Imp(A)	7.30	7.37	7.43	7.48	7.54	7.60	7.65
Open circuit voltage - Voc	44.08	44.27	44.45	44.64	44.83	45.11	45.39
Short circuit current - Isc(A)	7.68	7.74	7.81	7.87	7.92	7.97	8.03

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

Guarantees and certifications

Product warranty**	10 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years and 80% for 25 years
Product Certificates	IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 62804, CE, BIS

Mechanical Specification

Solar cells	72 pcs monocrystalline Silicon(PERC), 5BB
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	IP 67/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)

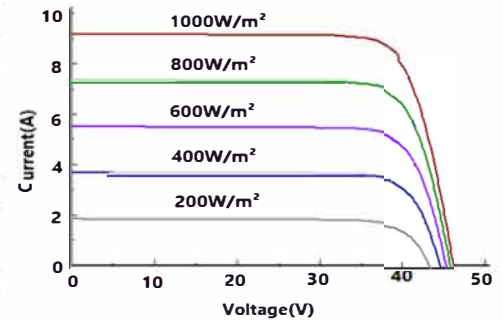
Temperature Coefficient (Voc)	-0.29% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

Permissible Operating Conditions

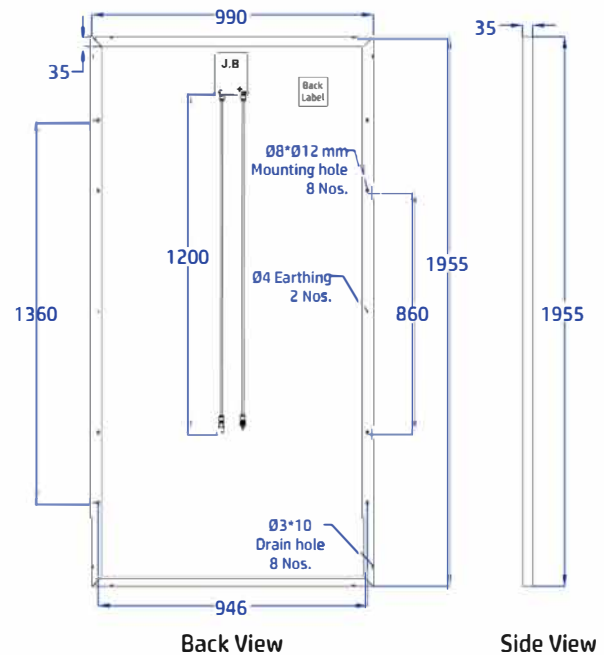
Temperature range	-40°C to + 85°C
Maximum system voltage	1500/1000 VDC
NOCT	45± 2°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s

- Before placing order confirm your requirement with our sales representative.
- The electrical data given here is for reference purpose only.
- Dispose-off the product as E-Waste after end of its working life.
- *Refer to EVVO Solar's warranty document for terms and conditions.
- Due to constant product modifications, EVVO Solar reserves the right to amend the above specifications without prior notice.

IV CURVE



DRAWING (MEASUREMENTS ARE IN MM)



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

PREMIUM QUALITY
MADE IN INDIA

Authorized Dealer