

# GOLDI\_72GN Polycrystalline Module



## Key Features

- Excellent module conversion efficiency of up to 17.31%.
- Up to +2% positive power output guaranteed.
- Reducing equipment loss increases the power generation in overall system.
- Loss minimization due to excellent temperature co-efficient.
- BOS cost Reduction for 1500 VDC System by connecting more modules in a string.
- 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.
- PID resistant (IEC 62804).
- Salt mist and ammonia corrosion resistant (IEC 61701 & IEC 62716).
- IP67/IP68 rated junction box for long-term weather endurance.
- 25 years output warranty.
- Certified for hail resistance.
- Certified with IEC & BIS.

## Technical Data for GOLDI\_72GN -Polycrystalline Module

### Electrical Parameter at STC

Module Type	GOLDI072FWpPY24			
Capacity rating – Pmax(Wp)	320	325	330	335
Power Tolerance (%)	0 - 2	0 - 2	0 - 2	0 - 2
Module efficiency (%)	16.53	16.79	17.05	17.31
Rated voltage - Vmp(V)	36.90	37.20	37.40	37.70
Rated current - Imp(A)	8.68	8.75	8.83	8.9
Open circuit voltage - Voc(V)	45.70	45.90	46.20	46.50
Short circuit current - Isc(A)	9.05	9.12	9.19	9.26

Under Standard Test Conditions (STC) of irradiance 1000 W/m<sup>2</sup>, 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)	238.01	241.89	245.41	249.34
Rated voltage - Vmp(V)	34.17	34.44	34.63	34.91
Rated current - Imp(A)	6.97	7.02	7.09	7.14
Open circuit voltage - Voc	42.71	42.90	43.18	43.46
Short circuit current -Isc(A)	7.30	7.35	7.41	7.47

NOCT irradiance of 800 W/m<sup>2</sup>, 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 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	IP 67/IP68 certified 4-rail, 3 diodes junction box
Cable	Solar cable 400mm to 1200 mm length, 4 mm <sup>2</sup>
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).

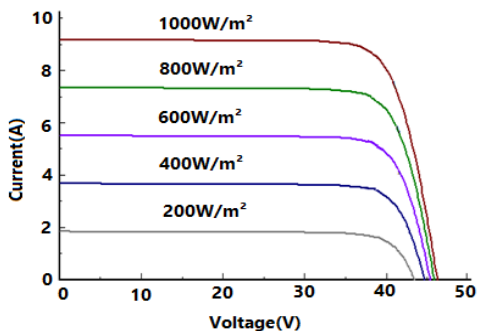
### Temperature Coefficients (TC)

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

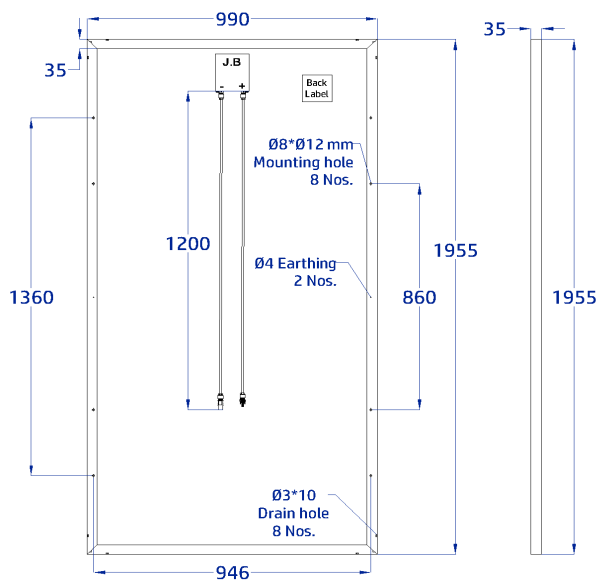
### Permissible Operating Conditions

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

### IV Curve



### Drawing (Measurements are in mm)



- For handling & installation instructions refer Goldi Solar Installation Manual available on Company website.
- 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 Goldi Solar's warranty document for terms and conditions.
- Due to constant product modifications, Goldi Solar reserves the right to amend the above specifications without prior notice.

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

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