

GOLDI_72GN Polycrystalline Module

Key Features

- Excellent module conversion efficiency of up to 17.57%.
- Up to +3% 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 for IEC & BIS.

Technical Data for GOLDI_72GN - Polycrystalline Module

Electrical Parameter at STC

Module Type	GOLDI072FWpPY24					
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)	36.70	36.90	37.20	37.40	37.70	37.90
Rated current - Imp(A)	8.59	8.68	8.75	8.83	8.9	8.98
Open circuit voltage - Voc(V)	45.50	45.70	45.90	46.20	46.50	46.80
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 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years, and 80% for 25 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	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).

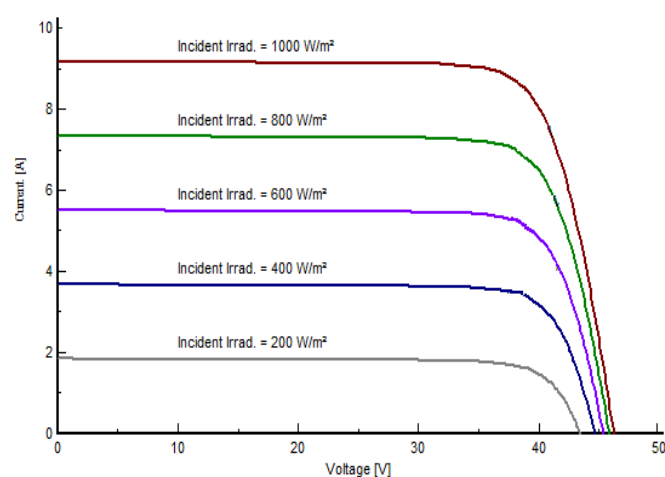
Temperature Coefficients (TC)

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

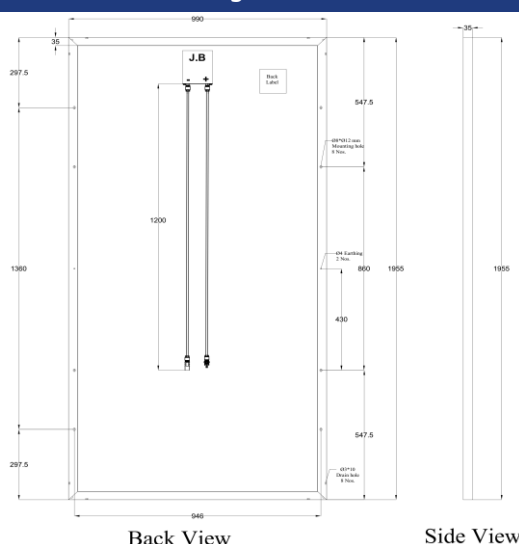
Permissible Operating Conditions

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 Curves



Drawing measurement in mm



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

- For handling & installation instructions refer Goldi Solar Installation Manual
- 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.