

# GOLDI\_60GN Polycrystalline Module

## Key Features

- Excellent module conversion efficiency of up to 17.25%.
- 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\_60GN - Polycrystalline Module

### Electrical Parameter at STC

Module Type	GOLDI060FWpPY24				
Capacity rating – Pmax(Wp)	260	265	270	275	280
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3
Module efficiency (%)	16.01	16.32	16.63	16.94	17.25
Rated voltage - Vmp(V)	30.40	30.70	31.00	31.30	31.60
Rated current - Imp(A)	8.57	8.64	8.72	8.8	8.88
Open circuit voltage - Voc(V)	38.12	38.32	38.52	38.82	39.12
Short circuit current - Isc(A)	8.9	8.97	9.03	9.1	9.18

Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

### Electrical Parameter at NOCT

Capacity rating - Pmax(Wp)	193.50	197.00	200.77	204.57	208.41
Rated voltage - Vmp(V)	28.20	28.48	28.76	29.04	29.31
Rated current - Imp(A)	6.86	6.92	6.98	7.05	7.11
Open circuit voltage - Voc	35.53	35.71	35.90	36.18	36.46
Short circuit current - Isc(A)	7.21	7.26	7.31	7.37	7.43

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 Certified	IEC 61215, IEC 61730, IEC 61701, IEC 62716, CE, BIS

### Mechanical Specification

Solar cells	60 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) 1640mm x (W) 990 mm x (H) 35mm
Weight	18.3kg
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).

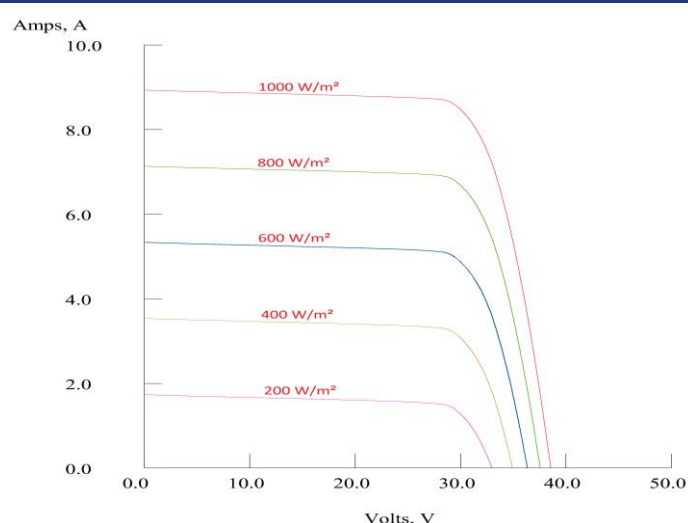
### Temperature Coefficients (TC)

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

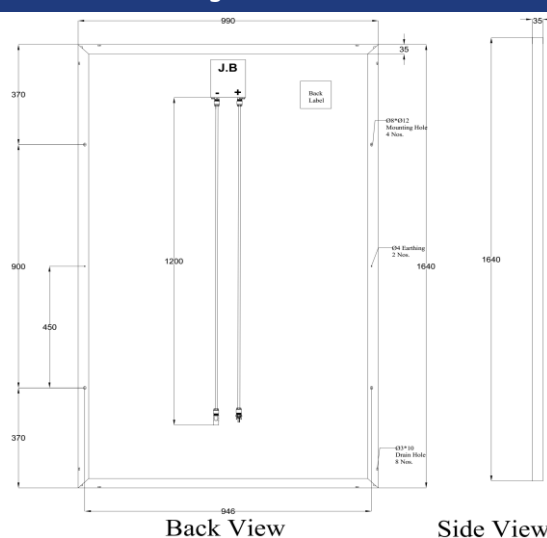
### Permissible Operating Conditions

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 Curves



### Drawing measurement in mm



Container	20' GP	40' HC
Pallets/ container	10	28
Modules/ Container	300	840

- 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.