

GOLDI_72GN1 Monocrystalline Module - PERC



Key Features

- Excellent module conversion efficiency more than 19%.
- 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, ISO 45001:2018 certified facility.
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- IP68 rated junction box for long-term weather endurance.
- 25 years output warranty.
- Certified for hail resistance (According to IEC 61215)
- Certified with IEC & BIS.

Technical Data for GOLDI_72GN1 - Monocrystalline Module

Electrical Parameter at STC

Module Type	GOLDI072FWpPRC24		
Capacity rating - Pmax(Wp)	390	395	400
Power Tolerance (%)	0 - 2	0 - 2	0 - 2
Module efficiency (%)	19.65	19.90	20.15
Rated voltage - Vmp(V)	40.14	40.34	40.53
Rated current - Imp(A)	9.72	9.80	9.88
Open circuit voltage - Voc(V)	49.15	49.37	49.59
Short circuit current - Isc(A)	10.07	10.14	10.22

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)	289.55	293.20	296.86
Rated voltage - Vmp(V)	37.24	37.44	37.63
Rated current - Imp(A)	7.78	7.84	7.90
Open circuit voltage - Voc	45.79	46.02	46.26
Short circuit current - Isc(A)	8.11	8.16	8.21

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 62716, BIS,CE

Mechanical Specification

Solar cells	72 pcs monocrystalline Silicon(PERC), 5BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheets
Frame	Silver Anodized Aluminium Alloy (screwless)
Front glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 1985 mm x (W) 1000 mm x (H) 35mm
Weight	22 kg
J-box	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) [IEC 61215]

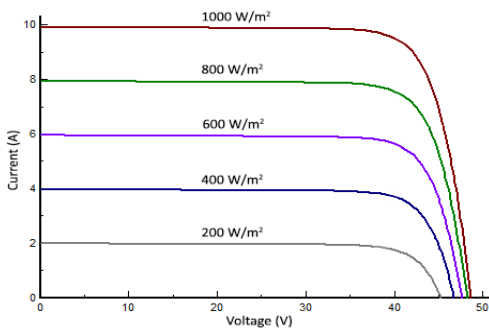
Temperature Coefficients (TC)

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 VDC
NOCT	45± 2°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s

IV Curve

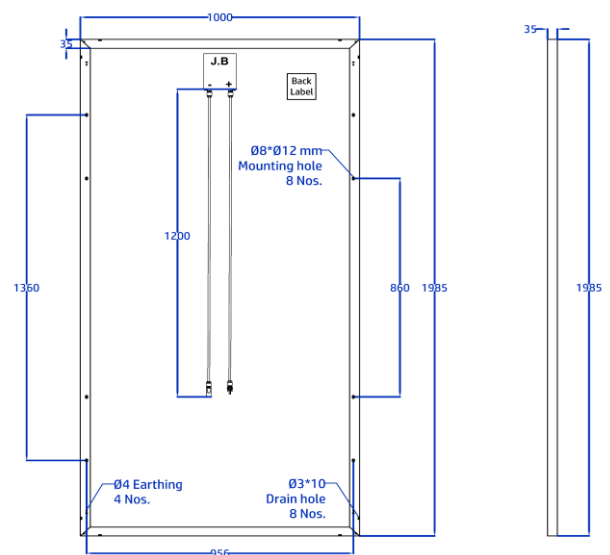


- For handling & installation instructions refer Goldi Solar Installation Manual available on Company website.
- Before placing order confirm your requirement with our sales representative.
- The electrical data given here is for reference purpose only.
- Dispose-off the product as E-Waste after end 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	22
Modules/ Container	300	660

www.goldi.one
info@goldi.one
 India Toll : 1800 833 5511

Drawing (Measurements are in mm)



Back View

Side View

TDS-PRC-072-1985_1000_35-Rev 03