

GOLDI_72GN1

Monocrystalline Module

Key Features

- Excellent module conversion efficiency of up to 19.63%.
- 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_72GN1 - Monocrystalline Module

Electrical Parameter at STC

Module Type	GOLDI072FWpPRC24						
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).

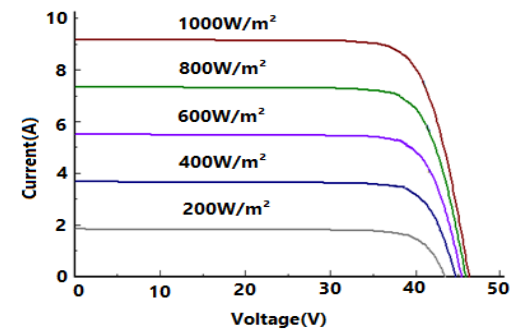
Temperature Coefficients (TC)

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

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	24
Modules/ Container	300	720

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Drawing (Measurements are in mm)

