

GOLDI_66GN1

Monocrystalline Module(PERC)

Key Features

- Excellent module conversion efficiency of up to 19.64%.
- 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.
- Ammonia corrosion resistant (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_66GN1 - Monocrystalline Module(PERC)

Electrical Parameter at STC

Module Type	GOLDI066FWpPRC24						
Capacity rating – Pmax(Wp)	320	325	330	335	340	345	350
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3
Module efficiency (%)	17.957	18.24	18.52	18.80	19.08	19.36	19.64
Rated voltage - Vmp(V)	35.35	35.65	35.90	36.10	36.35	36.65	36.85
Rated current - Imp(A)	9.06	9.12	9.20	9.28	9.36	9.42	9.50
Open circuit voltage - Voc(V)	43.85	44.10	44.40	44.70	44.95	45.10	45.30
Short circuit current - Isc(A)	9.41	9.49	9.57	9.64	9.73	9.81	9.90

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)	237.87	241.48	245.30	248.81	252.70	256.42	260.00
Rated voltage - Vmp(V)	32.79	33.07	33.30	33.49	33.72	34.00	34.18
Rated current - Imp(A)	7.25	7.30	7.37	7.43	7.49	7.54	7.61
Open circuit voltage - Voc	40.87	41.10	41.38	41.66	41.89	42.03	42.22
Short circuit current - Isc(A)	7.62	7.68	7.75	7.81	7.88	7.94	8.02

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 62716, BIS, CE (In-progress)

Mechanical Specification

Solar cells	66 pcs monocrystalline Silicon(PERC), 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)1800 mm x (W)990 mm x (H)35 mm
Weight	20.2kg
J-box	IP67/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).

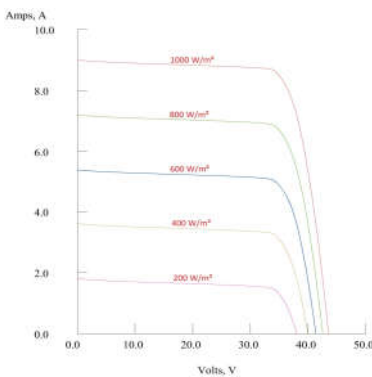
Temperature Coefficients (TC)

Temperature Coefficient (Voc)	-0.29% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

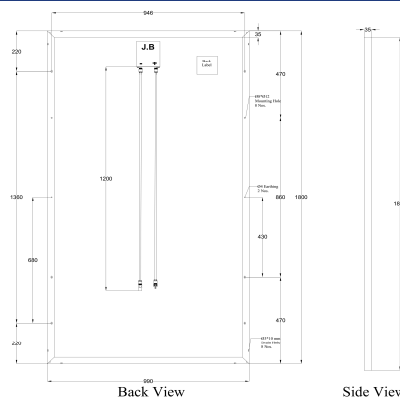
Permissible Operating Conditions

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 Curves



Drawing measurement in mm



Container	20' GP	40' HC
Pallets/ container	12	28
Modules/ Container	360	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.