GOLDI_72GN
Dual Glass Polycrystalline Module

Key Features

- Excellent module conversion efficiency of up to 17.16%.
- 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.
- Frameless design, less dust or snow pilling up, reduces O&M cost
- Use of the split junction boxes reduce panel temperature there by panel reliability is increeased.
- Using high transparency EVA at the back of the cell allows more sunlight to pass through.
- Transparent EVA also creates more aesthetically pleasing panels.
- 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.
- IP68 rated junction box for long-term weather endurance.

Technical Data for GOLDI_72GN -Dual Glass Polycrystalline Module

Electrical Parameter at STC

Module Type	GOLDI072BIPV24		
Capacity rating – Pmax(Wp)	325	330	335
Power Tolerance (%)	0 - 2	0 - 2	0 - 2
Module efficiency (%)	16.65	16.90	17.16
Rated voltage - Vmp(V)	37.20	37.40	37.70
Rated current - Imp(A)	8.75	8.83	8.9
Open circuit voltage - Voc(V)	45.90	46.20	46.50
Short circuit current - Isc(A)	9.12	9.19	9.26

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)	241.89	245.41	249.34
Rated voltage - Vmp(V)	34.44	34.63	34.91
Rated current - Imp(A)	7.02	7.09	7.14
Open circuit voltage - Voc	42.90	43.18	43.46
Short circuit current -Isc(A)	7.35	7.41	7.47

NOCT irradiance of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec

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

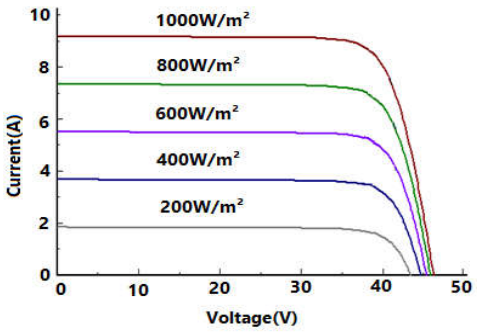
Mechanical Specification

Solar cells	72 pcs Polycrystalline Silicon, 5BB/4BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Solar glass	2/2.5 mm, High transmission tempered glass
Frame	No frame
Dimensions	(L) 1968 mm x (W) 992 mm x (H) 6±1 mm
Weight	~ 25 kg
J-box	IP 68 certified, 3 diodes junction box
Cable	Solar cable 400 mm length, 4 mm²
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).

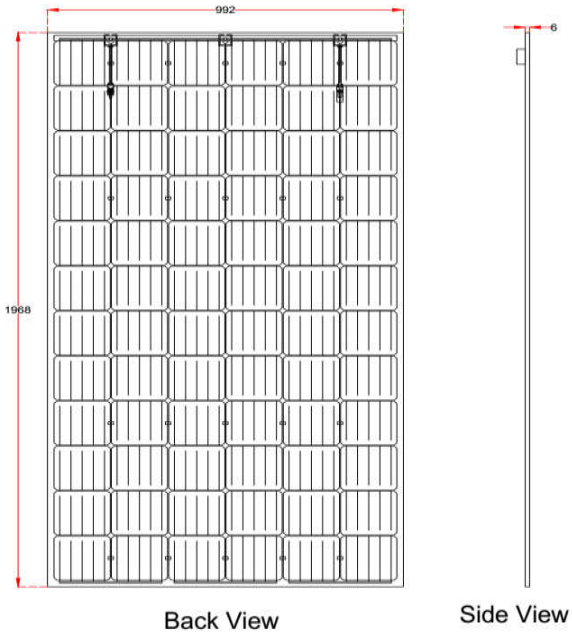
Temperature Coefficients (TC)

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

IV Curve



Drawing (Measurements are in mm)



TDS-PY-072-1968_992_6-Rev 02

- 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