

GOLDI_32GN

Polycrystalline Module

Key Features

- Excellent module conversion efficiency.
- Up to +3% positive power output guaranteed.
- Module designed with high efficiency Solar cells.
- Loss minimization due to excellent temperature co-efficient.

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.
- IP65 rated junction box for long-term weather endurance.
- EL inspection to ensure micro crack - free modules.
- Automatic Stringer & Semi-automated facility for cut Cell Modules.
- Certified for IEC & BIS.

Technical Data for GOLDI_32GN - Polycrystalline Module (Cut Cells)

Electrical Parameter at STC*

Module Type	GOLDI032CWpPY12			
Capacity rating – Pmax(Wp)	100	075	060	040
Power Tolerance (%)	0 -3	0 -3	0 - 3	0 - 3
Module efficiency (%)	16.62	14.74	13.57	12.94
Rated voltage - Vmp(V)	17.05	16.95	16.85	16.75
Rated current - Imp(A)	5.88	4.44	3.57	2.41
Open circuit voltage - Voc(V)	20.65	20.45	20.35	20.10
Short circuit current - Isc(A)	6.45	4.89	3.94	2.67
Temperature range(°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Maximum system voltage (VDC)	1000/600	1000/600	1000/600	1000/600
Nominal Operating Cell Temp (NOCT) (°C)	45± 2	45± 2	45± 2	45± 2
No of Cells	32	32	32	32
Cell Configuration	8*4	8*4	8*4	8*4
Module dimension Length (A)mm	905	765	665	465
Module dimension Width (B)mm	665	665	665	665
Module dimension Height (C)mm	34	34	34	34
Mounting Hole Size (D) mm	6*12	6*12	6*12	6*12
Mounting Hole to Hole distance(Y- Pitch)mm	500	450	300	200
Mounting Hole to Hole distance(X- Pitch)mm	635	635	635	635
Module Weight (Kg)	7.5	6.2	5.4	3.9

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², Spectrum AM 1.5 and cell temperature of 25°C

Mechanical Specification

Solar cells	32 pcs Polycrystalline Silicon, 5BB/4BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheet
Frame	Silver Anodized Aluminium Alloy
Front glass	Low Iron tempered Solar glass
J-box	IP 65 rated junction box
Cable & Connector	Optional
Application Class	Class A
Electrical Safety	Class II
Surface load	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

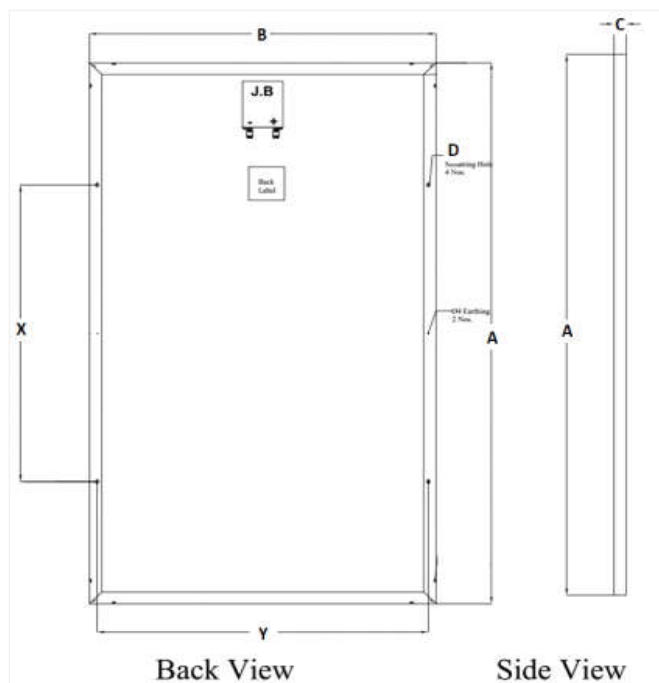
Guarantees and certifications

Product warranty**	5 years
Performance guarantee**	Limited warranty for power output :- 80% for 10 years
Product Certified	IEC 61215, IEC 61730, IEC 61701, CE, BIS

Packing Information

Packing	Primary Box	Master Box
Module Quantity(Nos)	1	5

Drawing measurement in mm



- 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.