

GOLDI_32GN - Polycrystalline Module

Key Features

- Excellent module conversion efficiency.
- 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.
- Better performance even at low irradiance condition.

Quality & Reliability

- Manufactured in an ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 certified facility.
- IP65 rated junction box for long-term weather endurance.
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- Higher specific yield.
- Certified for IEC & BIS.

Technical Data for GOLDI_32 Cut Cell GN - Polycrystalline Module

Electrical Parameter at STC

Module Type	GOLDI032CPY12				
Capacity rating - Pmax(Wp)	100	75	60	50	40
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3
Module efficiency (%)	16.35	14.74	15.04	14.69	14.15
Rated voltage - Vmp(V)	17.05	16.95	16.85	16.8	16.75
Rated current - Imp(A)	5.88	4.44	3.57	2.98	2.41
Open circuit voltage - Voc(V)	20.65	20.45	20.35	20.25	20.1
Short circuit current - Isc(A)	6.45	4.89	3.94	3.28	2.67
Operating Temperature	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Max. System Voltage	1000	1000	1000	1000	1000
Nominal Operating Cell Temp (NOCT)	45± 2	45± 2	45± 2	45± 2	45± 2
No of Cells	32	32	32	32	32
Cell Configuration	8*4	8*4	8*4	8*4	8*4
Module dimension Length (A)mm	920	765	600	512	425
Module dimension Width (B)mm	665	665	665	665	665
Module dimension Height (C)mm	34	34	34	34	34
Mounting Hole Size (D)mm	6*12	6*12	6*12	6*12	6*12
Mounting Hole to Hole distance (Y- Pitch)mm	500	450	300	260	200
Mounting Hole to Hole distance (X- Pitch)mm	635	665	635	635	635
Module Weight Kg	7.5	6.2	4.7	4	3.5

Mechanical specification

Solar cells	32 pcs Cut Polycrystalline Silicon, 5BB/4BB/3BB/2BB
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 Tempered Glass
Application Class	Class A
Fire Safety	Class C (Type 1)
J-box	IP 65 rated junction box
Surface load	(snow load 5400 Pa, wind load 2400 Pa).

Permissible operating conditions

Temp.Coefficient of Pmax	%/°C	-0.38
Temp.Coefficient of Voc	%/°C	-0.30
Temp.Coefficient of Isc	%/°C	0.05

Temperature range	-40°C to + 85°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s
NOCT	45± 2°C

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

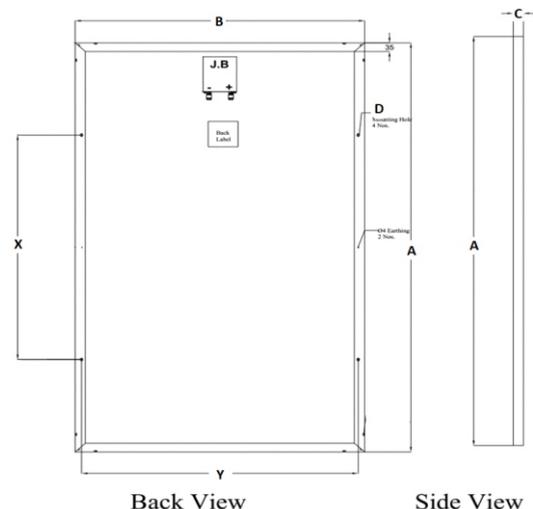
Packing information

Packing	Primary box	Master box
Quantity (Nos)	1	5

Guarantees and certifications

Product warranty**	5 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years, and 80% for 25 years
Product Certified	IEC 61215, IEC 61730, IEC 61701, CE, BIS

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.