

GOLDI_36GN - 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_36 Cut Cell GN - Polycrystalline Module

Electrical Parameter at STC

Module Type	GOLDI036CPY12						
Capacity rating - Pmax(Wp)	130	110	100	80	75	60	40
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3	0 - 3
Module efficiency (%)	15.51	14.64	14.89	14.32	13.43	13.57	14.15
Rated voltage - Vmp(V)	19.05	18.95	19.05	18.9	18.85	18.85	18.85
Rated current - Imp(A)	6.83	5.83	5.28	4.25	4.02	3.2	2.14
Open circuit voltage - Voc(V)	22.55	22.45	22.52	22.57	22.53	22.54	22.58
Short circuit current - Isc(A)	7.65	6.53	5.89	4.69	4.45	3.55	2.38
Operating Temperature	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Max. System Voltage	1000	1000	1000	1000	1000	1000	1000
Nominal Operating Cell Temp (NOCT)	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2
No of Cells	36	36	36	36	36	36	36
Cell Configuration	9*4	9*4	9*4	9*4	9*4	9*4	9*4
Module dimension Length (A)mm	1260	1130	1010	840	840	665	425
Module dimension Width (B)mm	665	665	665	665	665	665	665
Module dimension Height ©mm	34	34	34	34	34	34	34
Mounting Hole Size (D)mm	6*12	6*12	6*12	6*12	6*12	6*12	6*12
Mounting Hole to Hole distance (Y - Pitch)mm	600	550	500	450	450	300	200
Mounting Hole to Hole distance (X - Pitch)mm	635	635	635	635	635	635	635
Module Weight Kg	9.5	8.5	8.0	6.5	6.5	5.4	3.5

Mechanical specification

Solar cells	36 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

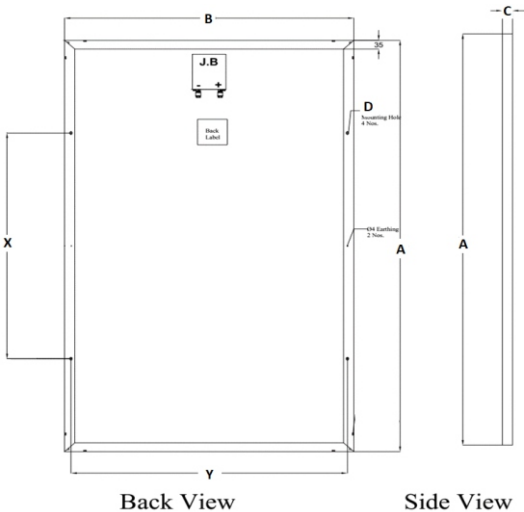
Under Standard Test Conditions (STC) of irradiance of 1000 W/m², Spectrum AM 1.5 and cell temperature of 25°C.

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



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