

KEY FEATURES



Excellent module conversion efficiency of up to 16.79%.



PID resistant.
(IEC 62804 certified)



Certified for extreme weather conditions. (snow load 5400 Pa, wind load 2400 Pa)



Salt mist and ammonia corrosion resistant. (IEC 61701 & IEC 62716 certified)



Multiple times EL inspection (Pre & Post Lamination) to ensure micro crack - free modules.



Up to +3% positive power output guaranteed.

Reliable Quality

- Powerful and stable: manufactured as per GOLDI GREEN's strict quality norms.
- 25 years output warranty.
- Certified from TUV SAAR & UL India.
- IP67 rated junction box for long-term weather endurance.
- 4BB design module improves reliability & module conversion efficiency.
- Certified for hail resistance.
- Manufactured in an ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 certified facility.
- Manufactured using highest grade raw materials from reputed international suppliers.

Application

- On-grid large scale utility system
- On-grid & off-grid residential system
- On-grid commercial / industrial roof top
- Solar Pumping System

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India Toll Free No. : 1800 833 5511

Electrical Parameter at STC#

Module Type	GOLDI	300PM	305PM	310PM	315PM	320PM	325PM
Capacity rating - Pmax(Wp)	300	305	310	315	320	325	
Power Tolerance (%)	0 ~ 3	0 ~ 3	0 ~ 3	0 ~ 3	0 ~ 3	0 ~ 3	0 ~ 3
module efficiency (%)	15.50	15.76	16.02	16.28	16.53	16.79	
Rated Voltage- Vmp(V)	36.60	36.80	36.90	37.00	37.10	37.20	
Rated Current- Imp(A)	8.20	8.30	8.42	8.52	8.63	8.74	
Open Circuit Voltage- Voc(V)	45.20	45.40	45.70	46.00	46.20	46.40	
Short Circuit Voltage- Isc(A)	8.60	8.70	8.80	8.90	9.00	9.10	

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)	216.01	219.61	223.21	226.81	3230.41	234.01	
Rated Voltage- Vmp(V)	33.41	33.60	33.69	33.78	33.87	33.96	
Rated Current- Imp(A)	6.46	6.54	6.64	6.72	6.80	6.89	
Open Circuit Voltage- Voc(V)	41.57	41.75	42.03	42.31	42.49	42.67	
Short Circuit Voltage- Isc(A)	6.84	6.92	7.00	7.08	7.16	7.24	

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

Temperature coefficients (TC)

Temperature Coefficient (Voc)	-0.33 % /°C
Temperature Coefficient (Isc)	0.034% /°C
Temperature Coefficient (Pmax)	-0.42 % /°C

Permissible Operating Conditions

Temperature range	-40°C to + 85°C
Maximum system voltage	1000 V DC
NOCT	45± 2°C
Maximum surface load	Tested up to 5400 Pa according to IEC 61215
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s

Mechanical Specification

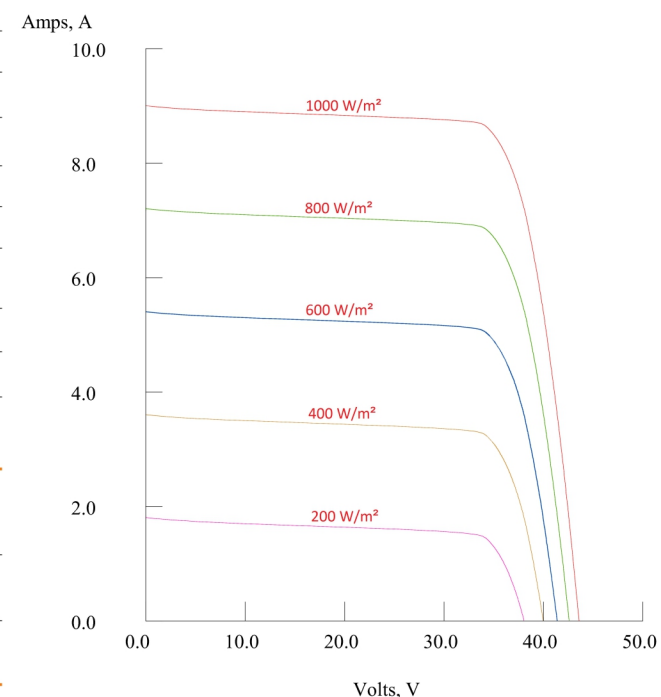
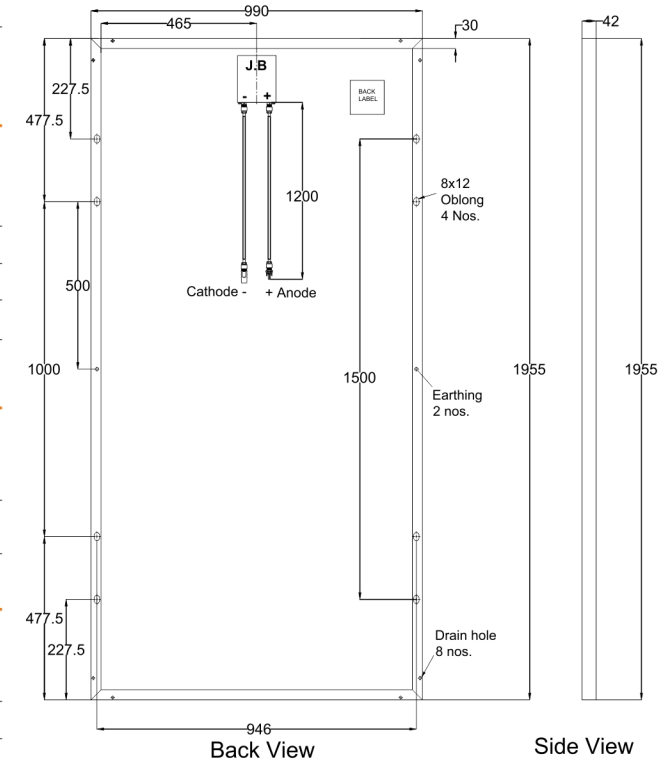
Solar Cell	72 pcs Polycrystalline Silicon (156 mm x 156 mm 0~+1mm),4BB, PID free
Cell encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl- Acetate)
Backside	UV protected reflective backsheets
Frame	Silver Anodised Aluminum Alloy (screwless)
Front glass	3.2 mm, High transmission, AR Coated Tempered Glass
Dimensions (L x W x H)	1955 mm x 990 mm x 36 mm
Weight	22.0 kg
Junction box	IP 67 certified 4-rail, 3 diodes junction box
Cable & Connectors	Solar cable 1200 mm length, 4 mm ² , M4C compatible connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)

Guarantees and Certifications

Product warranty**	10 years
Performance guarantee**	Guaranteed Output power :- 90% for 10 years, and 80% for 25 Years
Approvals and certificates	IEC 61215, IEC 61730, UL 1703, IEC 61701, IEC 62716, IEC 62804, CE

Packing information

Container	20'GP	40'HC
Pallets/ container	10	28
Modules / container	250	600



** Refer to Goldi Green's warranty document for terms and conditions.

Due to constant product modifications, Goldi Green reserves the right to amend the above specifications without prior notice. Please confirm your exact requirement with our sales representative before placing your order.