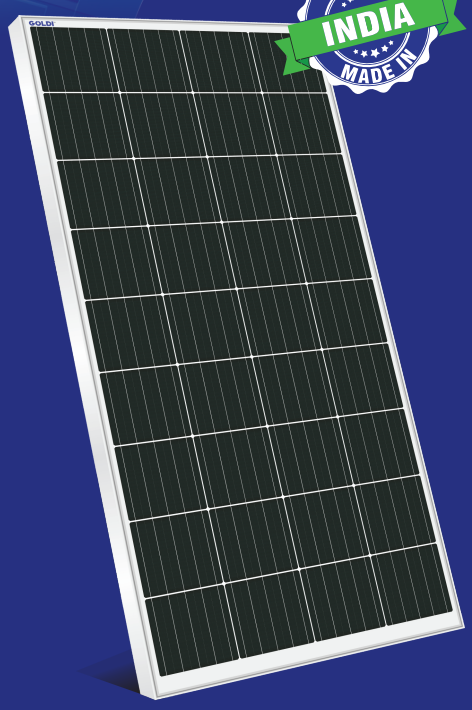
GOLDI_36GN1 Monocrystalline Module



GOLDI™
Renewed life

Key Features

- Excellent module conversion efficiency of up to 19.11%.
- 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.
- Better performance even at low irradiance condition.
- Higher specific yield.

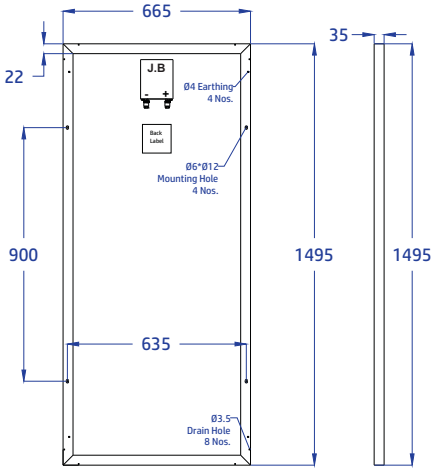
5 Years
Product warranty**

15 Years
Performance warranty**
Limited warranty for power output:-
80% for 15 years**

Quality & Reliability

- Manufactured in an ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 certified facility.
- Manufactured using high grade raw materials from reputed suppliers while adopting stringent quality criteria.
- IP65 rated junction box for long-term weather endurance.
- Certified for hail resistance.
- Certified with IEC & BIS.

Engineering Drawing (mm)



Back View Side View

Product Certifications

Management System Certifications

ISO 9001, ISO 14001, ISO 45001

Certificate Number 18976

- For handling & installation instructions refer Goldi Solar Installation Manual available on company website.
- 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.

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GOLDI_36GN1
Monocrystalline Module

GOLDI™ Renewed life

Technical Data

Electrical Parameter at STC	GOLDI_36GN1 - Monocrystalline Module		
Module Type	**GOLDI036FWpPRC12**		
Capacity rating - Pmax(Wp)	180	185	190
Power Tolerance (%)	0 - 2	0 - 2	0 - 2
Module efficiency (%)	18.11	18.61	19.11
Rated voltage - Vmp(V)	19.85	20.15	20.45
Rated current - Imp(A)	9.07	9.19	9.30
Open circuit voltage - Voc(V)	24.15	24.50	24.85
Short circuit current - Isc(A)	9.45	9.56	9.66

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)	133.72	137.53	141.25
Rated voltage - Vmp(V)	18.41	18.69	18.97
Rated current - Imp(A)	7.26	7.36	7.45
Open circuit voltage - Voc	22.51	22.83	23.16
Short circuit current -Isc(A)	7.65	7.74	7.82

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

Mechanical specification

Solar cells	36 pcs Monocrystalline Silicon(PERC), 5BB
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, AR Coated Tempered Glass
Dimensions	(L)1495 mm x (W)665mm x (H)35mm
Weight	12.2kg
J-box	IP 65 certified 3-rail, 2 diodes junction box
Cable	Optional
Connectors	Optional
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

Permissible Operating Conditions

Temperature range	-40°C to + 85°C
Maximum system voltage	1000/600 VDC
NOCT	45±2°C
Hail resistance	Max. diameter of 25 mm
	with velocity 23 m/s
Max. Series Fuse Rating	15A

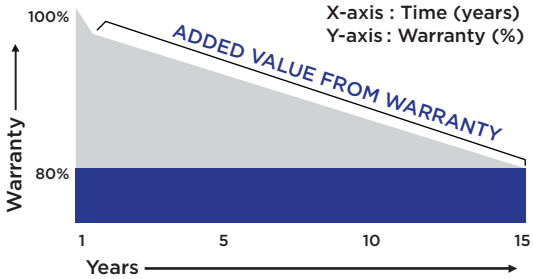
Temperature Coefficients (TC)

Temperature Coefficient (Voc)	-0.29% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

Warranty and certifications

Product warranty**	5 years
Performance warranty**	Limited warranty for power output :-
	80% for 15 years
Product Certificates	IEC 61215, IEC 61730, BIS, CE,
	UL 61730

Warranty Graph



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