

# GOLDI 36 SERIES

## KEY FEATURES



**Excellent module conversion efficiency of up to 16.09%.**



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



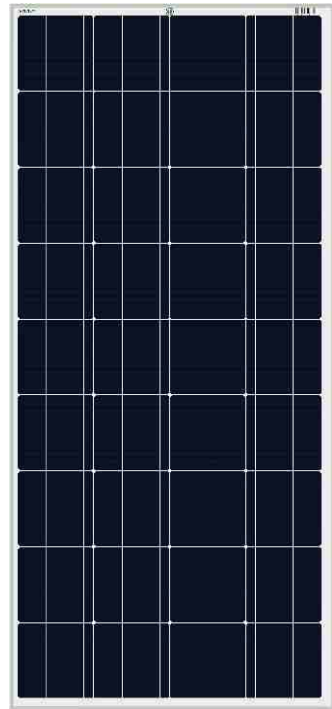
**Salt mist and ammonia corrosion resistant. (IEC 61701 & IEC 62716 certified)**



**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.
- 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

Street lighting systems  
Solar Home Lighting System

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India Toll Free No. : 1800 833 5511

## Electrical Parameter at STC<sup>#</sup>

Capacity rating - Pmax(Wp)	150	155	160
Power Tolerance (%)	0 ~ 3	0 ~ 3	0 ~ 3
module efficiency (%)	15.09	15.59	16.09
Rated Voltage- Vmp(V)	18.0	18.2	18.4
Rated Current- Imp(A)	8.35	8.52	8.70
Open Circuit Voltage- Voc(V)	22.5	22.7	22.9
Short Circuit Current- Isc(A)	8.70	8.85	9.00

<sup>#</sup> Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## Mechanical Specification

Solar Cells	36 pcs polycrystalline Silicon (156 mm x 156 mm , 0~+1mm), 4BB,PID Free
Cell encapsulation	Highly transparent EVA (Ethylene-Vinyl-Acetate)
Backside	Highly reflective UV protected backsheet
Frame	Anodised aluminum cavity frame (screw less)
Front glass	Low Iron tempered Solar glass
Dimensions (L x W x H)	1495 mm x 665 mm x 34 mm
Weight	12.2 kgs
Junction box	IP 67 certified 3-rail, 2 diodes junction box
Cable	Optional
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C ( Type 1)

## 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

## Temperature coefficients (TC)

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

## 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

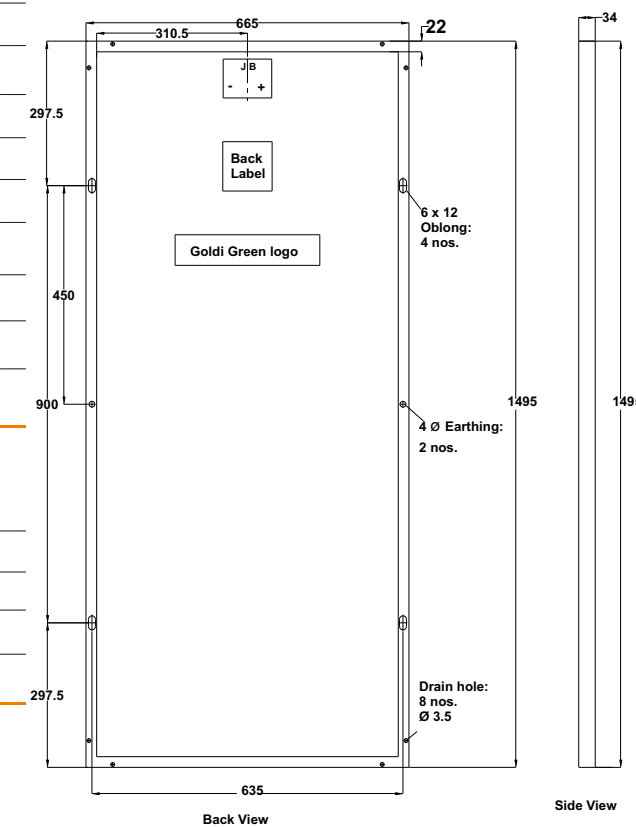
## Packing information

Module Quantity/Outer Box: 5, Outer Box Size : 1520 X 250 X 700 mm

\*\* 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.

GOLDI 36 Series Mechanical Drawing



All dimensions are in mm