

GOLDI_60GN - Dual Glass Monocrystalline Transparent EVA

Key Features

- Excellent module conversion efficiency of up to 18.54%.
- 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.
- Frameless design, less dust or snow piling up, reduces O&M cost.
- Use of split junction box reduces panel temperature thereby increasing panel reliability.
- Using high transparency EVA at the back of the cell allows more sunlight to pass through.
- Transparent EVA also creates more aesthetically pleasing panels.
- Better performance even at low irradiance condition.
- Higher specific yield.

Quality & Reliability

- Manufactured in an ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 certified facility.
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- IP68 rated junction box for long-term weather endurance.
- 25 years output warranty.
- Certified for hail resistance.
- PID resistant and free of snail trails

Technical Data for GOLDI_60GN - Dual Glass Monocrystalline Transparent EVA

Electrical Parameter at STC

| Module Type | GOLDI060BIPV24 | | | | | |
|--------------------------------|----------------|-------|-------|-------|-------|-------|
| Capacity rating - Pmax(Wp) | 280 | 285 | 290 | 295 | 300 | 305 |
| Power Tolerance (%) | 0 - 3 | 0 - 3 | 0 - 3 | 0 - 3 | 0 - 3 | 0 - 3 |
| Module efficiency (%) | 17.02 | 17.33 | 17.63 | 17.94 | 18.24 | 18.54 |
| Rated voltage - Vmp(V) | 31.6 | 31.85 | 32.1 | 32.35 | 32.65 | 32.87 |
| Rated current - Imp(A) | 8.88 | 8.96 | 9.04 | 9.12 | 9.19 | 9.28 |
| Open circuit voltage - Voc(V) | 39.12 | 39.35 | 39.65 | 39.85 | 40.1 | 40.4 |
| Short circuit current - Isc(A) | 9.18 | 9.27 | 9.36 | 9.45 | 9.53 | 9.62 |

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) | 208.53 | 211.95 | 215.52 | 219.12 | 222.85 | 226.55 |
| Rated voltage - Vmp(V) | 29.26 | 29.54 | 29.78 | 30.01 | 30.2 | 30.49 |
| Rated current - Imp(A) | 7.13 | 7.17 | 7.24 | 7.30 | 97.36 | 7.43 |
| Open circuit voltage - Voc | 36.56 | 36.67 | 36.95 | 37.14 | 37.37 | 37.65 |
| Short circuit current - Isc(A) | 7.40 | 7.51 | 7.58 | 7.65 | 7.72 | 7.79 |

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

Guarantees and certifications

| | |
|-------------------------|--|
| Product warranty** | 10 years |
| Performance guarantee** | Limited warranty for power output :- 90% for 10 years, and 80% for 25 years |

Mechanical specification

| | |
|-------------------|---|
| Solar cells | 60 pcs PERC Monocrystalline Silicon, 5BB/4BB |
| Encapsulation | Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate) |
| Backside | 2.5mm, High Transmission, AR Coated Tempered Glass |
| Frame | No Frame |
| Front glass | 2.5mm (Float semi tempered glass) |
| Dimensions | (L) 1658mm x (W) 992 mm x (H) 6mm |
| Weight | 23kg |
| J-box | IP 68 certified, 3 diodes junction box |
| Cable | Solar cable 400 mm length, 4 mm ² |
| Connectors | MC4 compatible connectors |
| Application Class | Class A |
| Electrical Safety | Class II |
| Fire Safety | Class C (Type 1) |
| Surface load | (snow load 5400 Pa, wind load 2400 Pa). |

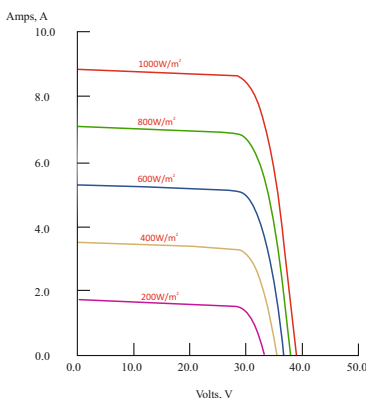
Temperature Coefficients (TC)

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

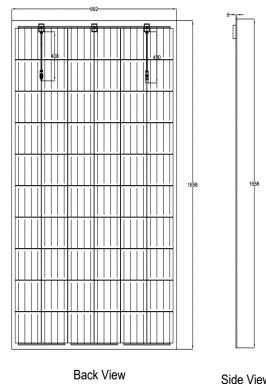
Permissible Operating Conditions

| | |
|------------------------|--|
| Temperature range | -40°C to + 85°C |
| Maximum system voltage | 1500/1000 VDC |
| NOCT | 45 ± 2°C |
| Hail resistance | Maximum diameter of 25 mm with velocity 23 m/s |

IV Curves



Drawing measurement in mm



| | | |
|---------------------|--------|--------|
| Container | 20' GP | 40' HC |
| Pallets/ container | 12 | 26 |
| Modules / Container | 432 | 936 |

- 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.