

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 backsheets |
| 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 |

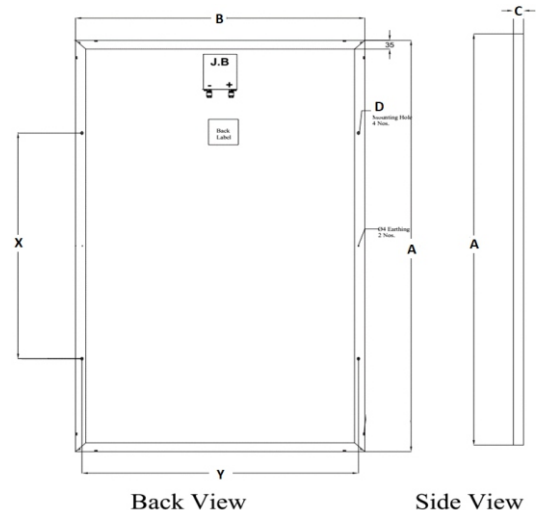
Under Standard Test Conditions (STC) of irradiance of 1000 W/m², Spectrum AM 1.5 and cell temperature of 25°C.

| 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



- 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.