

GOLDI_36GN

Polycrystalline Module

Key Features

- Excellent module conversion efficiency.
- Up to +2% positive power output guaranteed.
- Module designed with high efficiency Solar cells.
- Loss minimization due to excellent temperature co-efficient.

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.
- IP65 rated junction box for long-term weather endurance.

- EL inspection to ensure micro crack - free modules.
- Automatic Stringer & Semi-automated facility for cut Cell Modules.
- Certified with IEC & BIS.

Technical Data for GOLDI_36GN - Polycrystalline Module (Cut Cells)

Electrical Parameter at STC

Module Type	GOLDI036CWpPY12									
Capacity rating – Pmax(Wp)	135	130	125	120	115	110	100	095	090	
Power Tolerance (%)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Module efficiency (%)	16.11	15.51	14.92	14.32	15.30	14.64	14.89	14.14	13.40	
Rated voltage - Vmp(V)	19.10	19.05	18.95	18.90	19.02	18.95	19.05	18.94	18.92	
Rated current - Imp(A)	7.07	6.83	6.61	6.38	6.05	5.83	5.28	5.03	4.78	
Open circuit voltage - Voc(V)	22.65	22.55	22.50	22.45	22.50	22.45	22.52	22.50	22.45	
Short circuit current - Isc(A)	7.85	7.65	7.40	7.25	6.75	6.53	5.89	5.65	5.38	
Temperature range(°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	
Maximum system voltage (VDC)	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	
Nominal Operating Cell Temp (NOCT) (°C)	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2	45± 2	
No of Cells	36	36	36	36	36	36	36	36	36	
Cell Configuration	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	
Module dimension Length (A)mm	1260	1260	1260	1260	1130	1130	1010	1010	1010	
Module dimension Width (B)mm	665	665	665	665	665	665	665	665	665	
Module dimension Height (C)mm	34	34	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	6*12	6*12	
Mounting Hole to Hole distance (Y- Pitch)mm	600	600	600	600	550	550	500	500	500	
Mounting Hole to Hole distance (X- Pitch)mm	635	635	635	635	635	635	635	635	635	
Module Weight (Kg)	9.5	9.5	9.5	9.5	8.5	8.5	8.1	8.1	8.1	

Electrical Parameter at STC

Module Type	GOLDI036CWpPY12									
Capacity rating – Pmax(Wp)	080	075	060	055	050	045	040	037	035	
Power Tolerance (%)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Module efficiency (%)	14.32	13.43	13.57	13.78	12.53	14.55	12.94	11.97	11.32	
Rated voltage - Vmp(V)	18.90	18.85	18.85	18.85	18.82	18.87	18.85	18.80	18.79	
Rated current - Imp(A)	4.25	4.02	3.2	2.92	2.68	2.4	2.14	1.98	1.9	
Open circuit voltage - Voc(V)	22.57	22.53	22.54	22.60	22.65	22.69	22.58	22.50	22.45	
Short circuit current - Isc(A)	4.69	4.45	3.55	3.23	2.96	2.64	2.38	2.21	2.13	
Temperature range(°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	
Maximum system voltage (VDC)	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	
Nominal Operating Cell Temp (NOCT) (°C)	45± 2	45± 2	45± 2	45± 2°C	45± 2°C	45± 2	45± 2	45± 2	45± 2	
No of Cells	36	36	36	36	36	36	36	36	36	
Cell Configuration	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	
Module dimension Length (A)mm	840	840	665	600	600	465	465	465	465	
Module dimension Width (B)mm	665	665	665	665	665	665	665	665	665	
Module dimension Height (C)mm	34	34	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	6*12	6*12	
Mounting Hole to Hole distance (Y- Pitch)mm	450	450	300	300	300	200	200	200	200	
Mounting Hole to Hole distance (X- Pitch)mm	635	635	635	635	635	635	635	635	635	
Module Weight (Kg)	6.5	6.5	5.4	4.7	4.7	3.9	3.9	3.9	3.9	

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%.

- 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.

Packing Information

Packing	Primary Box	Master Box
Module Quantity(Nos)	1	5

www.goldi.one
info@goldi.one
 India Toll : 1800 833 5511

Mechanical Specification

Solar cells	36 pcs Polycrystalline Silicon, 5BB/4BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheet
Frame	Silver Anodized Aluminium Alloy
Front glass	Low Iron tempered Solar glass
J-box	IP 65 rated junction box
Cable & Connector	Optional
Application Class	Class A
Electrical Safety	Class II
Surface load	Wind load 2400 Pa.

Temperature Coefficients (TC)

Temperature Coefficient (Voc)	-0.30% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

Guarantees and certifications

Product warranty**	5 years
Performance guarantee**	Limited warranty for power output :-
	80% for 10 years
Product Certificates	IEC 61215, IEC 61730, IEC 61701, CE, BIS

Drawing (Measurements are in mm)

