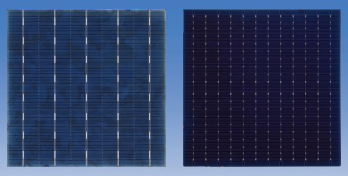
GCL-P6/72GD

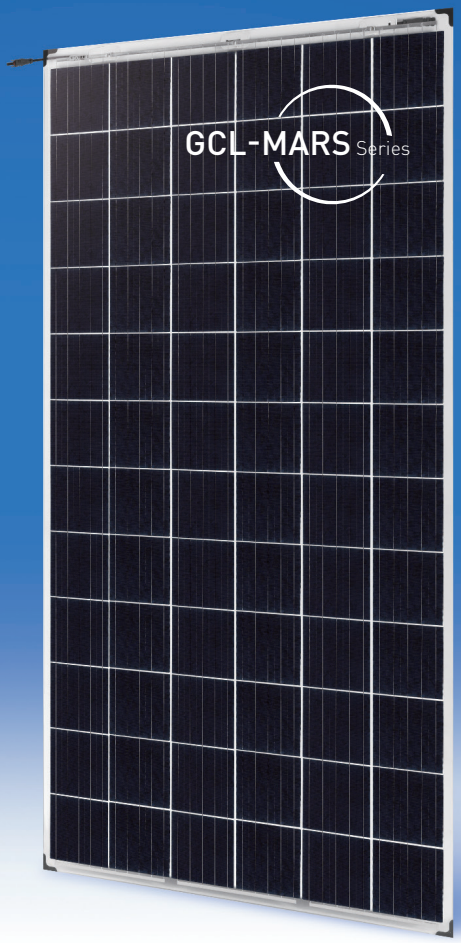
Bifacial Dual Glass Polycrystalline Module

335-360W

Cell Type



5BB MBB



360W
Maximum Power Output

18.4%
Maximum Module Efficiency

0~+5W
Power Output Guarantee

- Ideal choice for large scale ground installation
- High conversion efficiency due to top quality wafers and advanced cell technology
- Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free
- Additional safety, Fire class A certifed
- Withstand up to 1500V system voltage effectively reduce BOS cost
- Sand blowing test, salt mist test and ammonia test passed to endure harsh environments

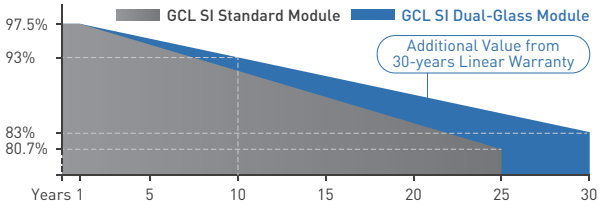
Company Introduction

GCL System Integration Technology Co. Ltd (002506 Shenzhen Stock) (GCL System) is part of GOLDEN CONCORD Group (GCL) which is an international energy company specializing in clean and sustainable power production. The group, founded in 1990 now employs 30,000 people.

GCL Delivers Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2008, ISO 14001: 2004 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2*100% EL inspection ensuring defect-free modules

Linear Performance Warranty



10 Years Product Warranty 30 Years Linear Power Warranty

* Please refer to GCL standard warranty for details

Additional Insurance Backed by Swiss RE

* Please refer to GCL for details

GCL-P6/72GD

GCL-Mars Series Bifacial Dual Glass Polycrystalline Module 335-360W

Electrical Specification (STC*)

Test Condition		Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear
Maximum Power	Pmax(W)	335	237	340	240	345	244	350	248	355	251	360	255
Maximum Power Voltage	Vmp(V)	37.77	38.27	37.95	38.45	38.13	38.63	38.30	38.80	38.48	38.98	38.65	39.15
Maximum Power Current	Imp(A)	8.87	6.19	8.96	6.25	9.05	6.32	9.14	6.38	9.23	6.44	9.32	6.51
Open Circuit Voltage	Voc(V)	46.57	45.77	46.77	45.97	46.97	46.17	47.17	46.37	47.37	46.57	47.57	46.77
Short Circuit Current	Isc(A)	9.34	6.54	9.42	6.59	9.50	6.65	9.58	6.71	9.66	6.76	9.74	6.82
Module Efficiency	(%)	17.2	12.1	17.4	12.3	17.7	12.5	17.9	12.7	18.2	12.9	18.4	13.0
Power Output Tolerance	(W)	0~+5											

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Test Condition		Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear
Maximum Power	Pmax (W)	249.92	176.44	253.83	178.50	257.40	181.30	261.36	184.11	265.35	186.58	269.00	189.44
Maximum Power Voltage	Vmp (V)	35.40	35.50	35.60	35.70	35.80	35.90	36.00	36.10	36.20	36.30	36.40	36.50
Maximum Power Current	Imp (A)	7.06	4.97	7.13	5.00	7.19	5.05	7.26	5.10	7.33	5.14	7.39	5.19
Open Circuit Voltage	Voc(V)	43.40	42.60	43.60	42.80	43.80	43.00	44.00	43.20	44.20	43.40	44.30	43.50
Short Circuit Current	Isc (A)	7.54	5.28	7.60	5.32	7.67	5.37	7.73	5.41	7.79	5.45	7.86	5.50

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Solar Cell Type	Poly P-type bifacial 156.75×156.75mm (6 inches)
Number of Cells	72 Cells (6×12)
Dimensions of Module L*W*H (mm)	1968×992×6mm
Weight (kg)	27 Kg
Front Side Glass	High transparency solar glass 2.5mm (0.13 inches)
Back Side Glass	High transparency solar glass 2.5mm (0.13 inches)
J-Box	IP68 Rated
Cable	Portrait: 200/75mm ; Landscape: 1750/1750mm
Wind/ Snow Load	2400Pa/5400Pa*
Connector	MC4 Compatible

* For more details please check the installation manual of GCLSI

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	44±2°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Pmax	-0.39%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	18A

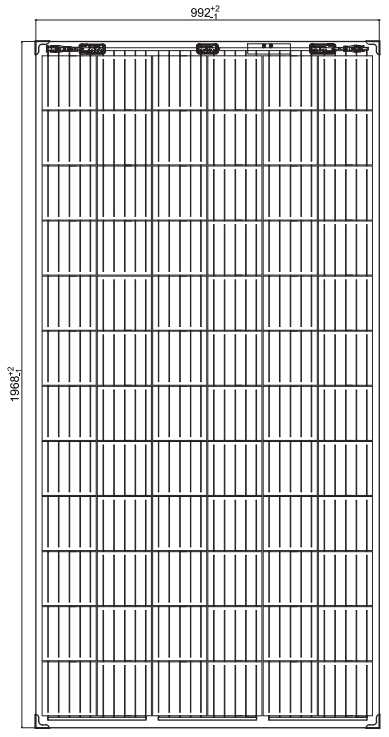
Optional

Connector:	☐ Original MC4

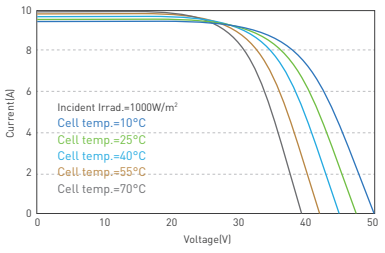
Packaging Configuration

Module per box	30 pieces
Module per 40' container	660 pieces

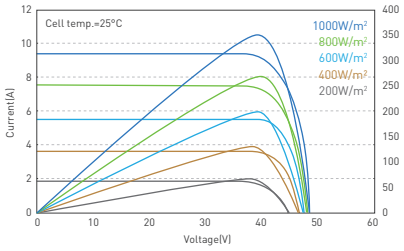
Module Dimension



U-I Curve at Different Temperature (350W)



U-I/P-U Curve at Different Irradiation (350W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

Contact Us for More Information

website: en.gclsi.com email: gclsisales@gclsi.com