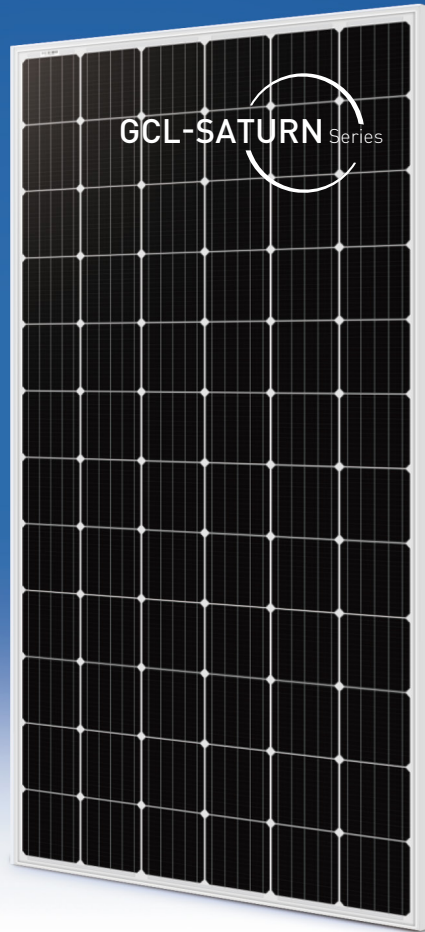




GCL System Integration Technology Co., Ltd.  
 Jianghai Economic Zone,  
 Nanqiao Town, Fengxian District,  
 201406 Shanghai P.R.China

# GCL-M6/72Hxxx Monocrystalline Module 365-385W



**385W**  $\pm 3\%$   
 Maximum Power Output

**19.8%**  
 Maximum Module Efficiency



High conversion efficiency due to top quality wafers and advanced cell technology



Special cell process ensures great performance under low irradiance conditions...



Highly transparent self-cleaning glass brings additional yield and easy maintenance



Optimized system performance due to module level current sorting



Ideal choice for large scale ground installation

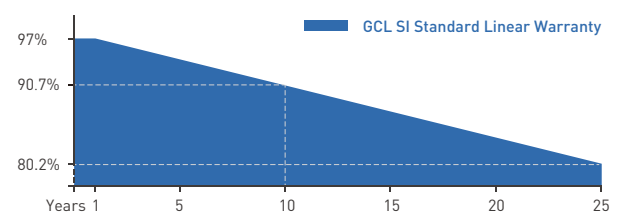
## Company Introduction

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: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Long term reliability tests
- 2\*100% EL inspection ensuring defect-free modules

## Linear Performance Warranty



10 Years Product Warranty 25 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-M6/72Hxxx

# GCL-Saturn Series Monocrystalline Module

# 365-385W

## Electrical Specification (STC\*)

Parameter	Symbol	365(±3%)	370(±3%)	375(±3%)	380(±3%)	385(±3%)
Maximum Power	P <sub>max</sub> (W)	365(±3%)	370(±3%)	375(±3%)	380(±3%)	385(±3%)
Maximum Power Voltage	V <sub>mp</sub> (V)	39.20	39.40	39.60	39.80	39.98
Maximum Power Current	I <sub>mp</sub> (A)	9.31	9.39	9.47	9.55	9.63
Open Circuit Voltage	V <sub>oc</sub> (V)	47.60(±3%)	47.80(±3%)	48.00(±3%)	48.20(±3%)	48.40(±3%)
Short Circuit Current	I <sub>sc</sub> (A)	9.89(±4%)	9.97(±4%)	10.05(±4%)	10.13(±4%)	10.21(±4%)
Module Efficiency	(%)	18.8	19.1	19.3	19.6	19.8

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

## Electrical Specification (NOCT\*)

Parameter	Symbol	270.75	274.43	278.50	282.22	285.98
Maximum Power	P <sub>max</sub> (W)	270.75	274.43	278.50	282.22	285.98
Maximum Power Voltage	V <sub>mp</sub> (V)	36.10	36.30	36.50	36.70	36.90
Maximum Power Current	I <sub>mp</sub> (A)	7.50	7.56	7.63	7.69	7.75
Open Circuit Voltage	V <sub>oc</sub> (V)	44.2	44.3	44.5	44.7	44.9
Short Circuit Current	I <sub>sc</sub> (A)	8.00	8.06	8.12	8.19	8.25

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## Mechanical Data

Cell Orientation	72 Cells (6×12)
Module Dimensions	1956×992×35mm (77 × 39.05 × 1.38 inches)
Weight	22.2 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cables	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1200mm (47.2 inches)
Connector	QC Solar(Suzhou) Corporation, QC4.10-cd Suzhou Bright Photovoltaic Electronic Technology Co., Ltd, B01 Suzhou Xtong Photovoltaic Technology Co.,Ltd. PV-XT101.1 Jiangsu Hatitian Microelectronics Corp. Minor Enterprise, PV-HT03 Staubli Electrical Connectors AG, PV-KST4-EVO 2/xy-UR PV-KBT4-EVO 2/xy-UR
Static mechanical load	Design load: 3600Pa (downward) / 1600Pa (upward). γ <sub>m</sub> =1.5

\* For more details please check the installation manual of GCLSI

## Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of I <sub>sc</sub>	+0.06%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.30%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.39%/°C

## Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	20A

## Packaging Configuration

Module per box	30 pieces
Module per 40' container	720 pieces

## Modules are assembled in China and Vietnam.

**Factory1:** Jiangsu Ds Photovoltaic Technology Co., Ltd.  
**Address:** No.6 Konggang New District, Guozhuang Town, Jurong, 212434 Jiangsu Province, P. R. China

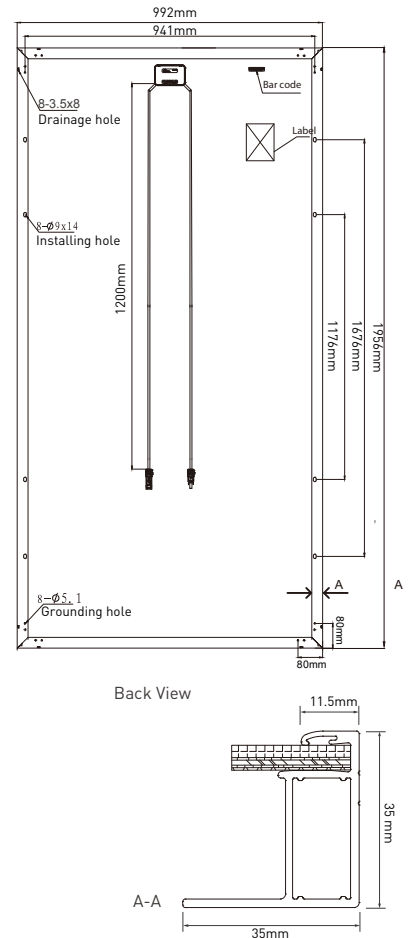
**Factory2:** Zhangjiagang GCL System Integration Technology Co.,Ltd.  
**Address:** 288# Chenfeng Road, Yangshe Town, Zhangjiagang City, 215600 Jiangsu Province, P. R. China

**Factory3:** VINA SOLAR TECHNOLOGY CO., LTD  
**Address:** lot CN-03 Factory E12, Van Trung Industrial Park Bac Giang Province, Viet Nam

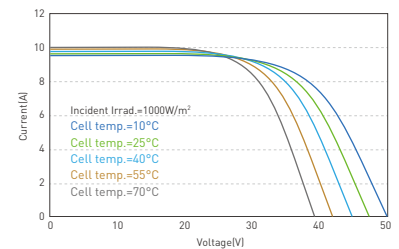
**Factory4:** Jinzhai GCL System Integration Technology Development Co., Ltd.  
**Address:** East of Baimafeng Road, Modern Industrial Park, Jinzhai county, Anhui Province, P.R.China

**Factory5:** Funing GCL System Integration Technology Co., Ltd.  
**Address:** No. 888(A) Hong Kong Road, Funing Economic Development Zone, Yangcheng City, Jiangsu Province P.R. China

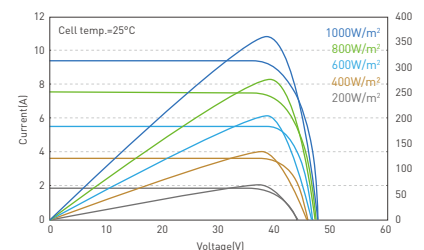
## Module Dimension



## U-I Curve at Different Temperature (365W)



## U-I/P-U Curve at Different Irradiation (365W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT