

# GCL-P6/72G

HIGH EFFICIENCY DUAL GLASS  
MULTICRYSTALLINE MODULE

**GCL-P6/72G 310-325 Watt**

**325<sup>W</sup>**

MAXIMUM POWER OUTPUT

**16.6%**

MAXIMUM MODULE EFFICIENCY

**0~+5<sup>W</sup>**

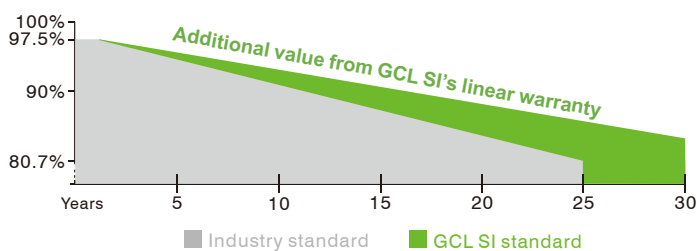
POWER OUTPUT GUARANTEE

## Trust GCL to Deliver 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



Ideal choice for large scale ground installation



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



Selected encapsulating material and stringent production process control ensure product highly PID resistant and snail trails free



Additional safety, Fire class A certified



Withstand up to 1500V system voltage effectively reduce BOS cost



Passed sand blowing test, salt mist test and ammonia test; flexible for harsh environments



Bringing Green Power to Life



According to UL 1703

# GCL-P6/72G

HIGH EFFICIENCY DUAL GLASS MULTICRYSTALLINE MODULE

## ELECTRICAL SPECIFICATION (STC)

TYPE (STC)		GCL-P6/72G 310	GCL-P6/72G 315	GCL-P6/72G 320	GCL-P6/72G 325
Maximum Power	P <sub>max</sub> (W)	310	315	320	325
Maximum Power Voltage	V <sub>m</sub> (V)	37	37.2	37.4	37.6
Maximum Power Current	I <sub>m</sub> (A)	8.38	8.47	8.56	8.64
Open Circuit Voltage	V <sub>oc</sub> (V)	45.4	45.6	45.8	46
Short Circuit Current	I <sub>sc</sub> (A)	8.99	9.08	9.17	9.24
Module Efficiency	(%)	15.9	16.1	16.4	16.6
Power Output Tolerance	P <sub>m</sub> (W)	0~+5			

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C).

## ELECTRICAL DATA (NOCT)

		225.12	228.49	232.22	235.64
Maximum Power	P <sub>max</sub> (W)				
Maximum Power Voltage	V <sub>m</sub> (V)	33.7	33.9	34.2	34.5
Maximum Power Current	I <sub>m</sub> (A)	6.68	6.74	6.79	6.83
Open Circuit Voltage	V <sub>oc</sub> (V)	42	42.2	42.4	42.6
Short Circuit Current	I <sub>sc</sub> (A)	7.19	7.31	7.38	7.46

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## MECHANICAL DATA

Solar Cells	Poly 156×156mm (6 inches)
Cell Orientation	72Cells (6×12)
Module Dimensions	1968×992×6mm
Weight	27kg
Front Side Glass	High transparency solar glass 2.5mm (0.13 inches)
Back Side Glass	Float solar glass 2.5mm (0.13 inches)
J-Box	IP67 Rated
Cables	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), length of '+'; 225mm, length of '-'; 75mm
Connector	Original MC4 or Compatible
Wind Load/ Snow Load	2400Pa/5400Pa*

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

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient of P <sub>MAX</sub>	-0.41%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.32%/°C
Temperature Coefficient of I <sub>sc</sub>	+0.055%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	15A

## WARRANTY

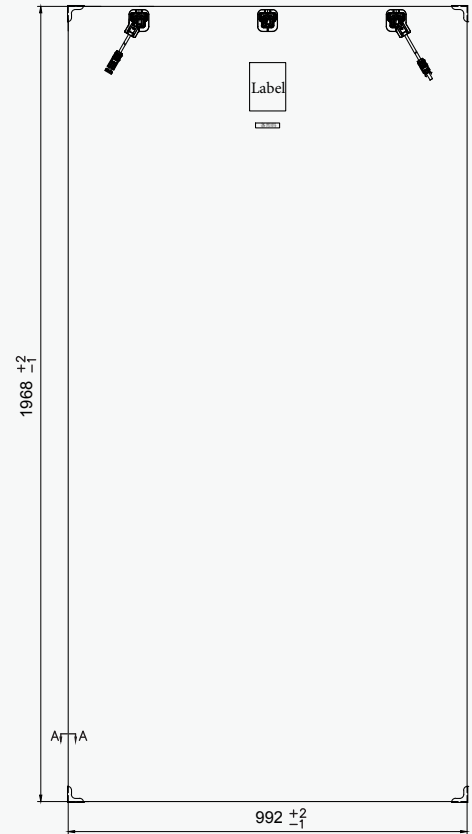
- 10 years Product Workmanship Warranty
- 30 years Linear Power Warranty

(Please refer to GCL standard warranty for details)

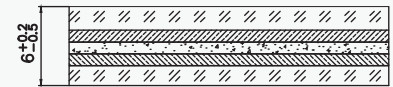
## PACKAGING CONFIGURATION

- Modules per box: 30 pieces
- Modules per 40'HD container: 660 pieces

## MODULE DIMENSION

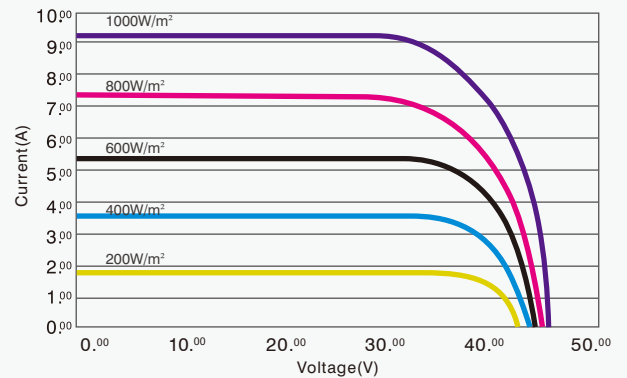


Back View



A-A

## I-V CURVES OF MODULE(325W)



Excellent performance under weak light conditions: at an irradiance intensity of 200W/m<sup>2</sup> W/m (AM 1.5, 25 °C), 96.5% or higher of the STC efficiency (1000 W/m<sup>2</sup>) is achieved

