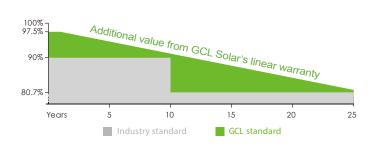


#### Trust GCL to Deliver Reliable Performance Over Time

- 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





Additional insurance backed by Swiss RE

## G





# **GCL-P6/72H**

HIGH EFFICIENCY MULTICRYSTALLINE MODULE

### GCL-P6/72H 320-340 Watt

**340** W

17.5%

MAXIMUM MODULE EFFICIENCY

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

#### POWER OUTPUT GUARANTEE

Ideal choice for large scale utility solar plant

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

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

Optimized system performance by module level current sorting

Spo lov

Special cell process ensures great performance in low irradiance environment

High quality wafer plus advanced cell technology guarantee high module efficiency

High transparent self-cleaning tempered glass increases module power output and ensures easy maintenance



# **GCL-P6/72H**

HIGH EFFICIENCY MULTICRYSTALLINE MODULE

ELECTRICAL SPECIFICATION (STC)					
TYPE (STC)	GCL-P6/72H 320	GCL-P6/72H 325	GCL-P6/72H 330	GCL-P6/72H 335	GCL-P6/72H 340
Maximum Power Pmax (W)	320	325	330	335	340
Maximum Power Voltage	37.4	37.6	37.8	38.0	38.2
Maximum Power Current	8.56	8.64	8.73	8.82	8.90
Short Circuit Current	9.17	9.24	9.33	9.41	9.49
Open Circuit Voltage	45.8	46.0	46.2	46.4	46.6
Module E⊠ciency	16.5	16.7	17.0	17.3	17.5
Power Output Tolerance			0~+5		

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m $^2$ , Cell Temperature 25 $^{\circ}$  C).

ELECTRICAL SPECIFICATION (NOCT)					
Maximum Power Pmax (W)	231.20	234.61	237.71	240.37	243.95
Maximum Power Voltage Vmp (V)	34.10	34.30	34.50	34.70	34.90
Maximum Power Current	6.78	6.84	6.89	6.93	6.99
Short Circuit Current	7.38	7.46	7.58	7.63	7.68
Open Circuit Voltage	42.5	42.7	42.9	43.1	43.3

NOCT: Irradiance at 800W/m  $^2$  , Ambient Temperature 20  $^\circ$  C , Wind S peed 1m/s .

MECHANICAL DATA				
Solar Cells	Poly 156×156mm (6 inches)			
Cell Orientation	72 Cells (6×12)			
Module Dimensions	1956×992×40mm (77 × 39.05 × 1.57 inches)			
Weight	22.5kg/26kg			
Glass	High transparency solar glass 3.2mm (0.13 inches) or 4mm (0.16 inches)			
Backsheet	White			
Frame	Silver, anodized aluminium alloy			
J-Box	IP67 Rated			
Cables	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1200mm (47.2 inches)			
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 MAX	-0.41%/°C				
Temperature Coefficient of V $_{\rm oc}$	-0.32%/°C				
Temperature Coefficient of I sc	+0.055%/°C				

#### WARRANTY

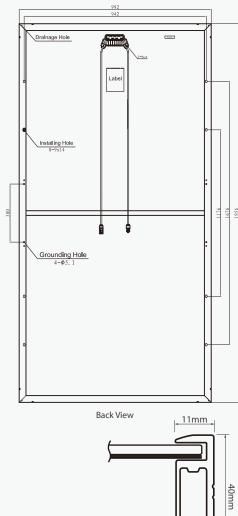
10 years Product Workmanship Warranty 25 years linear Power Warranty

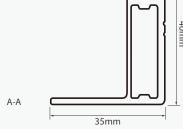
(Please refer to GCL standard warranty for details)

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

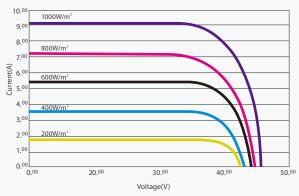
PACKAGING CONFIGURATION	
Modules per box: 26 pieces	
Modules per 40' container: 624 pieces	

#### MODULE DIMENSION





#### I-V CURVES OF MODULE (315W)



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



GCL-EN-P6/72-2016-V2.0 CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT ©2016 GCL System Intergration Technology Co., Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.