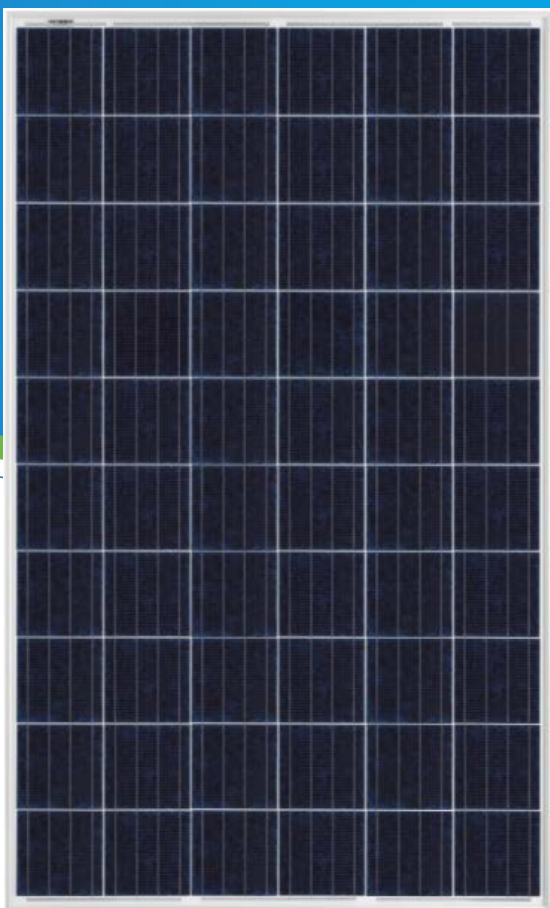




GCL-B6/60

HIGH EFFICIENCY
MULTICRYSTALLINE MODULE

GCL-B6/60 275-290 Watt

290^W

MAXIMUM POWER OUTPUT

17.8%

MAXIMUM MODULE EFFICIENCY

0~+5^W

POWER OUTPUT GUARANTEE

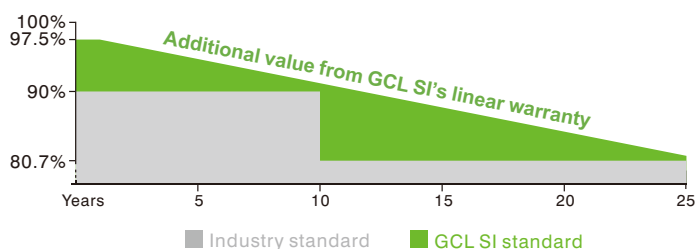
Trust GCL to Deliver Reliable Performance Over Time

- 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

25 Years Linear Power Warranty



Special cell surface texturing and light capturing process, significantly increase cell and module efficiency



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



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



Optimized system performance by module level current sorting



Special cell process ensures great performance in low irradiance environment



Additional yield and easy maintenance with high transparent self-cleaning glass



Bringing Green Power to Life

GCL-B6/60

HIGH EFFICIENCY MULTICRYSTALLINE MODULE

ELECTRICAL SPECIFICATION (STC)

TYPE (STC)		GCL-B6/60 275	GCL-B6/60 280	GCL-B6/60 285	GCL-B6/60 290
Maximum Power	P _{max} (W)	275	280	285	290
Maximum Power Voltage	V _m (V)	30.5	30.8	31.1	31.4
Maximum Power Current	I _m (A)	9.02	9.10	9.17	9.24
Open Circuit Voltage	V _{oc} (V)	38.3	38.5	38.7	38.9
Short Circuit Current	I _{sc} (A)	9.53	9.60	9.67	9.74
Module Efficiency	(%)	16.9	17.2	17.5	17.8
Power Output Tolerance	P _m (W)	0~+5			

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C).

ELECTRICAL DATA (NOCT)

Maximum Power	P _{max} (W)	203.39	207.55	210.73	214.39
Maximum Power Voltage	V _m (V)	27.9	28.2	28.4	28.7
Maximum Power Current	I _m (A)	7.29	7.36	7.42	7.47
Open Circuit Voltage	V _{oc} (V)	35.0	35.2	35.4	35.6
Short Circuit Current	I _{sc} (A)	7.71	7.76	7.82	7.87

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Poly 156.75×156.75mm (6 inches)
Cell Orientation	60 Cells (6×10)
Module Dimensions	1640×992×35mm (64.56 × 39.05 × 1.38 inches)
Weight	18.1kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cables	4.0mm ² (0.006 inches ²), 900mm (35.4 inches)
Connector	Original MC4 or Compatible
Wind Load/ Snow Load	4000Pa/6000Pa*

*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}	-0.40%/°C
Temperature Coefficient of V _{oc}	-0.31%/°C
Temperature Coefficient of I _{sc}	+0.055%/°C

MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A

WARRANTY

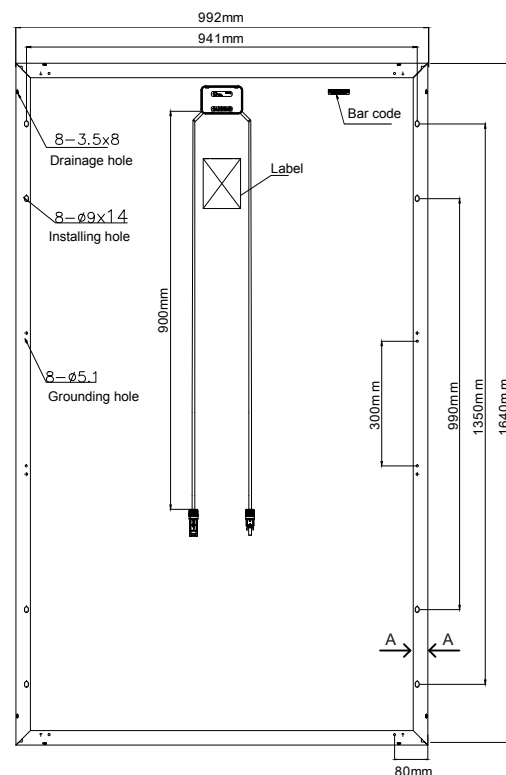
10 years Product Workmanship Warranty
25 years Linear Power Warranty

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40'HD container: 840 pieces

(Please refer to GCL standard warranty for details)

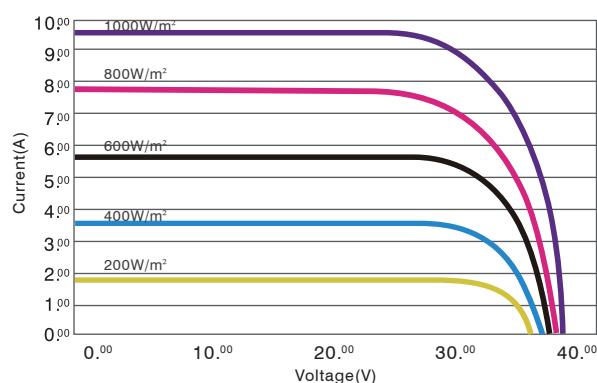
MODULE DIMENSION



Back View

A-A

I-V CURVES OF MODULE(285W)



Excellent performance under weak light conditions: at an irradiance intensity of 200W/m² W/m (AM 1.5, 25 °C), 96.5% or higher of the STC efficiency (1000 W/m²) is achieved



Bringing Green Power to Life

<http://en.gclsi.com>

GCL-EN-B6/60-2017-V1.0

CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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