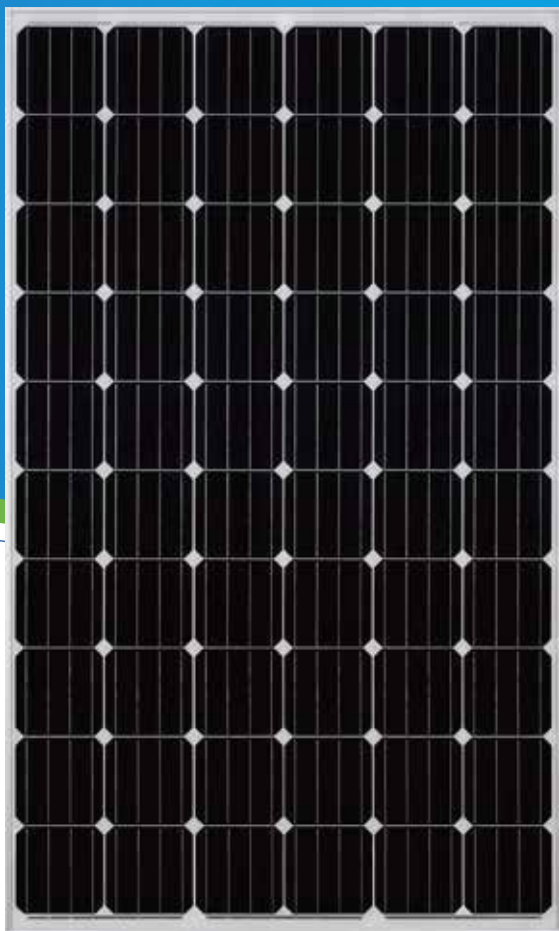




GCL-M6/60

HIGH EFFICIENCY
MONOCRYSTALLINE MODULE

GCL-M6/60 270-285 Watt

285^W

MAXIMUM POWER OUTPUT

17.5 %

MAXIMUM MODULE EFFICIENCY

0~+5^W

POWER OUTPUT GUARANTEE

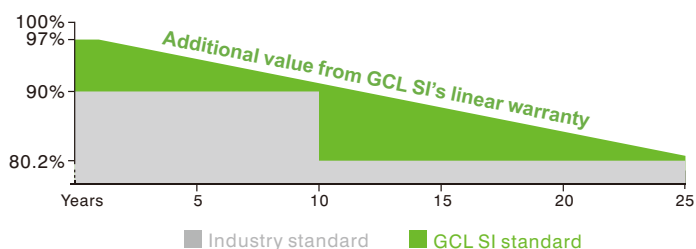
Trust GCL to Deliver Reliable Performance Over Time

- 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



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



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



Special cell process ensures great performance in low irradiance environment



Optimized system performance by module level current sorting



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



According to UL 1703



Bringing Green Power to Life

HIGH EFFICIENCY MONOCRYSTALLINE MODULE

TYPE (STC)		GCL-M6/60 270	GCL-M6/60 275	GCL-M6/60 280	GCL-M6/60 285
Maximum Power	Pmax (W)	270	275	280	285
Maximum Power Voltage	Vm(V)	31.2	31.4	31.6	31.8
Maximum Power Current	Im(A)	8.65	8.76	8.86	8.96
Open Circuit Voltage	Voc(V)	38.3	38.5	38.7	38.9
Short Circuit Current	Isc(A)	9.29	9.38	9.46	9.54
Module Efficiency	(%)	16.6	16.9	17.2	17.5
Power Output Tolerance	Pm(W)	0~+5			

ELECTRICAL DATA (NOCT)

Maximum Power	Pmax (W)	198.43	202.42	206.12	209.33
Maximum Power Voltage	Vm(V)	28.8	29.0	29.2	29.4
Maximum Power Current	Im(A)	6.89	6.98	7.06	7.12
Open Circuit Voltage	Voc(V)	35.1	35.2	35.4	35.6
Short Circuit Current	Isc(A)	7.45	7.52	7.61	7.68

MECHANICAL DATA

Solar Cells	Mono 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	4.0mm² (0.006 inches²), 900mm (35.4 inches)
Connector	Original MC4 or Compatible
Wind Load/ Snow Load	4000Pa/6000Pa*

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	$45 \pm 2^{\circ}\text{C}$
Temperature Coefficient of P_{MAX}	$-0.41\%/^{\circ}\text{C}$
Temperature Coefficient of V_{oc}	$-0.32\%/^{\circ}\text{C}$
Temperature Coefficient of I_{sc}	$+0.055\%/^{\circ}\text{C}$

MAXIMUM RATINGS

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

WARRANTY

10 years Product Workmanship Warranty

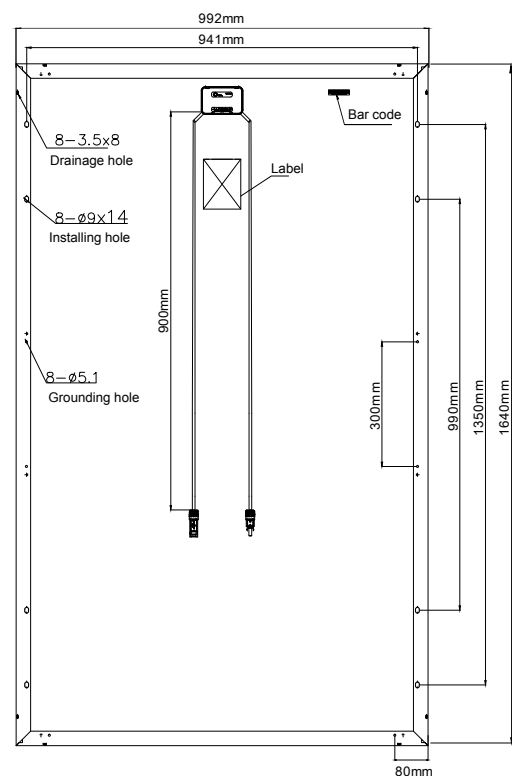
25 years Linear Power Warranty

PACKAGING CONFIGURATION

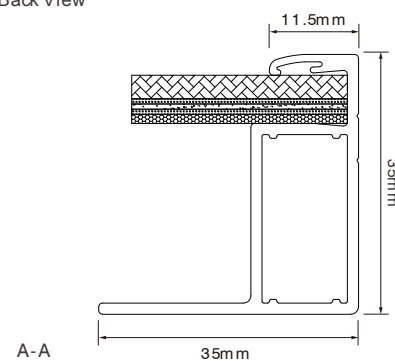
Modules per box: 30 pieces

Modules per 40'HD container: 840 pieces

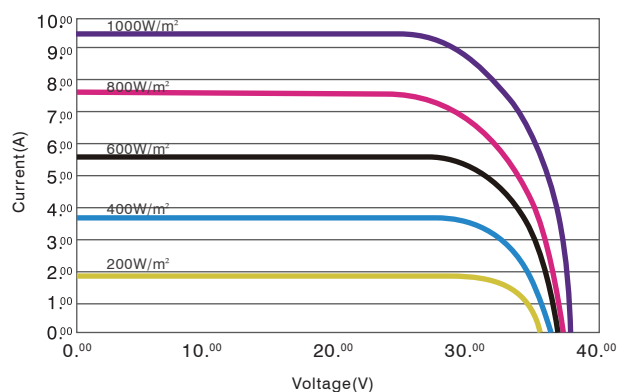
MOD ULE DI MEN SI ON



Back View



I-V CURVES OF MODULE(280W)



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



Bringing Green Power to Life
<http://en.gclsi.com>

GCL-EN-M6/60-2017-V1.0

CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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