

GCL-M2/72H

High Efficiency Shingling Module

390-420W

Electrical Specification (STC*)

Maximum Power	P _{max} (W)	390	395	400	405	410	415	420
Maximum Power Voltage	V _{mp} (V)	37.1	37.2	37.3	37.4	37.5	37.6	37.7
Maximum Power Current	I _{mp} (A)	10.51	10.62	10.72	10.83	10.93	11.04	11.14
Open Circuit Voltage	V _{oc} (V)	45.1	45.2	45.2	45.3	45.3	45.4	45.5
Short Circuit Current	I _{sc} (A)	11.27	11.31	11.35	11.39	11.43	11.47	11.53
Module Efficiency	(%)	18.8	19.0	19.3	19.5	19.7	20.0	20.2
Power Output Tolerance	(W)	0~+5						

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NMOT*)

Maximum Power	P _{max} (W)	290	294	298	302	305	309	313
Maximum Power Voltage	V _{mp} (V)	35.1	35.2	35.3	35.4	35.5	35.6	35.7
Maximum Power Current	I _{mp} (A)	8.27	8.35	8.44	8.52	8.60	8.68	8.77
Open Circuit Voltage	V _{oc} (V)	42.7	42.8	42.8	42.9	42.9	43.0	43.1
Short Circuit Current	I _{sc} (A)	9.09	9.13	9.16	9.19	9.22	9.26	9.30

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Solar Cell Type	Mono 31.35×156.75mm (6 inches)
Number of Cells	408 Cells (34×12)
Dimensions of Module L*W*H (mm)	1942×1069×40mm (76.46×42.09 × 1.57 inches)
Weight (kg)	24 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP67 Rated
Cable	4.0mm ² (0.006 inches ²), 1200mm (47.2 inches)
Number of diodes	2
Wind/ Snow Load	2400Pa/5400Pa*
Connector	05-8 (or other connector in CDF)

* For more details please check the installation manual of GCLSI

Temperature Ratings

Nominal Module Operating Temperature (NMOT)	42.3±2°C
Temperature Coefficient of I _{sc}	+0.05%/°C
Temperature Coefficient of V _{oc}	-0.31%/°C
Temperature Coefficient of P _{MAX}	-0.40%/°C

Maximum Ratings

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

Packaging Configuration

Module per box	26 pieces
Module per 40' container	624 pieces



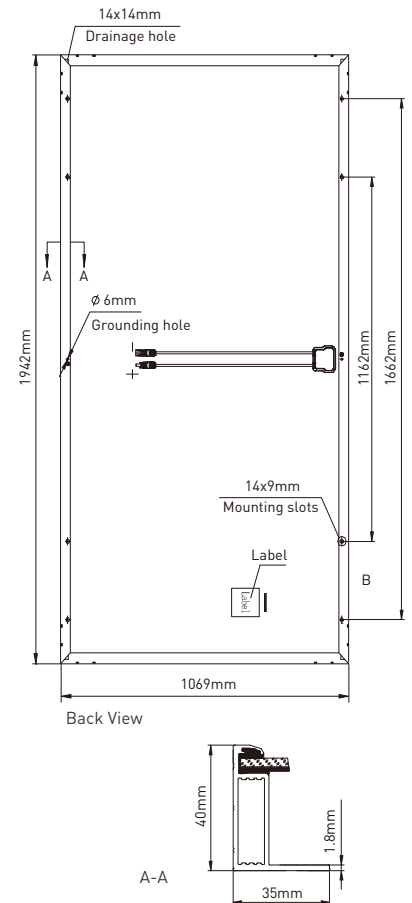
Modules are assembled in China .

Factory: Tongwei Solar (Heifei) Co., Ltd.
Address: NO.888 Changning Road, High-tech District, Hefei, Anhui, P.R.China

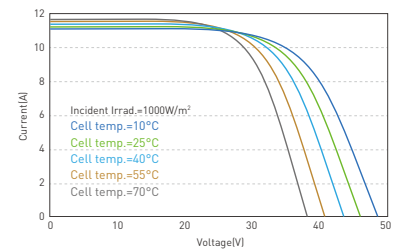
Contact Us for More Information

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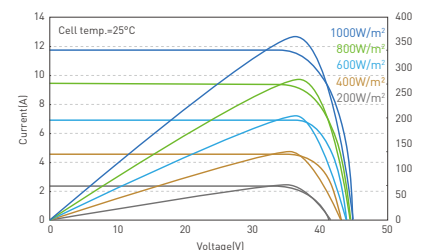
Module Dimension



U-I Curve at Different Temperature (410W)



U-I/P-U Curve at Different Irradiation (410W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT