

# GCL- NT10/72H



**550-575 W**

**Monocrystalline Module**

**575 W**

Maximum Power Output

**22.26%**

Maximum Module Efficiency

**0~+5W**

Power Output Guarantee



Special cutting and soldering technology leads to low hotspot risk



N type technology: The N-type module has better reliability and lower LID/LETID



Ideal choice for large scale ground installation



Highly transparent self-cleaning glass brings additional yield and easy maintenance

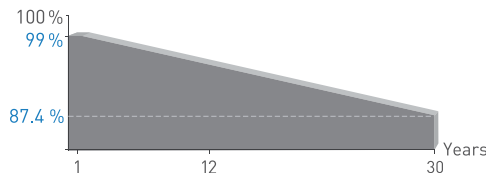
## GCL Delivers Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

## Comprehensive System and Product Certifications

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO14001:2015 Environmental management systems
- ISO45001:2018 Occupational health and safety management systems
- IEC62941:2019 Terrestrial photovoltaic (PV) modules—Quality system for PV module manufacturing

## Linear Performance Warranty



**12 Year Product Warranty**

**30 Year Linear Power Warranty**

**0.40% Annual Degradation Over 30 years**

\* Please refer to GCL standard warranty for details

Additional Insurance Backed by Swiss RE

\* Please refer to GCL for details



Electrical Specification (STC\*)

Maximum Power	P <sub>max</sub> (W)	550	555	560	565	570	575
Maximum Power Voltage	V <sub>mp</sub> (V)	42.35	42.54	42.75	42.94	43.15	43.34
Maximum Power Current	I <sub>mp</sub> (A)	12.99	13.05	13.10	13.16	13.21	13.27
Open Circuit Voltage	V <sub>oc</sub> (V)	50.84	50.99	51.14	51.29	51.44	51.59
Short Circuit Current	I <sub>sc</sub> (A)	13.68	13.74	13.80	13.86	13.92	13.98
Module Efficiency	(%)	21.29	21.48	21.68	21.87	22.07	22.26

\* Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5  
P<sub>max</sub> Tolerance: ±3%

Electrical Specification (NOCT\*)

Maximum Power	P <sub>max</sub> (W)	413.6	417.6	421.2	425.2	428.8	432.9
Maximum Power Voltage	V <sub>mp</sub> (V)	39.77	39.96	40.15	40.34	40.53	40.72
Maximum Power Current	I <sub>mp</sub> (A)	10.40	10.45	10.49	10.54	10.58	10.63
Open Circuit Voltage	V <sub>oc</sub> (V)	48.29	48.43	48.57	48.71	48.85	49.00
Short Circuit Current	I <sub>sc</sub> (A)	11.04	11.09	11.14	11.19	11.24	11.29

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	144 Cells (6×24)
Dimensions of Module L*W*H (mm)	2278×1134×35 mm [89.69×44.65×1.38 inches]
Weight (kg)	27.8 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Anodized aluminium alloy
J-Box	IP68 Rated
Fire Rating	IEC Class C
Protection Class	Class II
Cable	4.0mm <sup>2</sup> , Portrait: +300/-200mm length can be customized
Number of diodes	3
Wind/ 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 I <sub>sc</sub>	+0.045%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.25%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.29%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

Packaging Configuration

Module per box	31 pieces
Module per 40' container	620 pieces

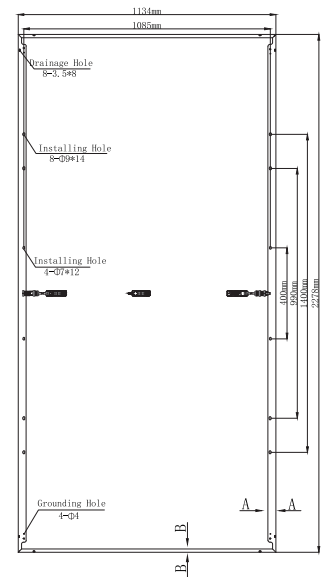
Tolerance

Sorting Tolerance	0~+5W
V <sub>oc</sub> Tolerance	±3%
I <sub>sc</sub> Tolerance	±4%

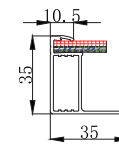
Connector

QC	QC4.10-cd	Renhe	05-8
Bright	B01 / B05x	UKT	PV-C002
Haitian	PV-HT03	Zhonghuan	PV-ZH202B
Tonglin	TL-CABLE01S	Zerun	Z4S-abcde
ChuangYuan	PV-CY20L / PV-CY03L		
Xtong	PV-XT101.1 / PV-XT101.2 / XT2		
Staubli	PV-KST4-EV02/xy-UR / PV-KST4-EV02A/xy PV-KBT4-EV02/xy-UR / PV-KBT4-EV02A/xy		

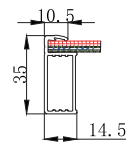
Module Dimension



Back View

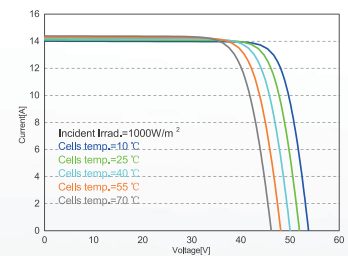


Long Frame  
A-A

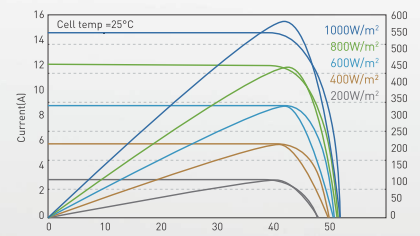


Short Frame  
B-B

I-V Curve at Different Temperature (585W)



I-V/P-V Curve at Different Irradiation (585W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

Contact Us for More Information

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