



GCL-NT10/60GT

Monocrystalline Module

460-490W

490W

Maximum Power Output

21.78%

Maximum Module Efficiency

0~+5W

Power Output Guarantee



High conversion efficiency due to top quality wafers and advanced cell technology



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



Withstand up to 1500V system voltage effectively reduce BOS cost

GCL-NT10/60GT

Monocrystalline Module 460-490 W

Electrical Specification (STC*)

		460	465	470	475	480	485	490
Maximum Power	P _{max} [W]	460	465	470	475	480	485	490
Maximum Power Voltage	V _{mp} [V]	35.53	35.73	35.94	36.13	36.34	36.53	36.72
Maximum Power Current	I _{mp} [A]	12.95	13.02	13.08	13.15	13.21	13.28	13.35
Open Circuit Voltage	V _{oc} [V]	42.54	42.69	42.84	43.00	43.15	43.30	43.45
Short Circuit Current	I _{sc} [A]	13.67	13.75	13.82	13.89	13.96	14.03	14.10
Module Efficiency	[%]	20.45	20.67	20.90	21.12	21.34	21.56	21.78
Power Output Tolerance	[W]	0~+5						

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

Electrical Specification (NOCT*)

		346.0	349.6	353.7	357.4	361.4	365.2	368.9
Maximum Power	P _{max} [W]	346.0	349.6	353.7	357.4	361.4	365.2	368.9
Maximum Power Voltage	V _{mp} [V]	33.37	33.55	33.75	33.94	34.13	34.32	34.51
Maximum Power Current	I _{mp} [A]	10.37	10.42	10.48	10.53	10.59	10.64	10.69
Open Circuit Voltage	V _{oc} [V]	40.41	40.55	40.70	40.84	40.98	41.13	41.28
Short Circuit Current	I _{sc} [A]	11.03	11.09	11.15	11.21	11.27	11.33	11.39

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

Mechanical Data

Number of Cells	120 Cells (6×20)
Dimensions of Module L*W*H (mm)	1980×1166×6.2/37.5mm
Weight (kg)	32.8kg
Front Glass	2.0mm, High Strengthened Glass
Back Glass	3.2mm, High Tempered Glass
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm ² [0.006 inches ²], length of "+":160mm,length of "-":160mm
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	Original MC4

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of I _{sc}	+0.045%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of P _{MAX}	-0.29%/°C

Packaging Configuration

Module per box	24 pieces
Module per 40' GP	432 pieces

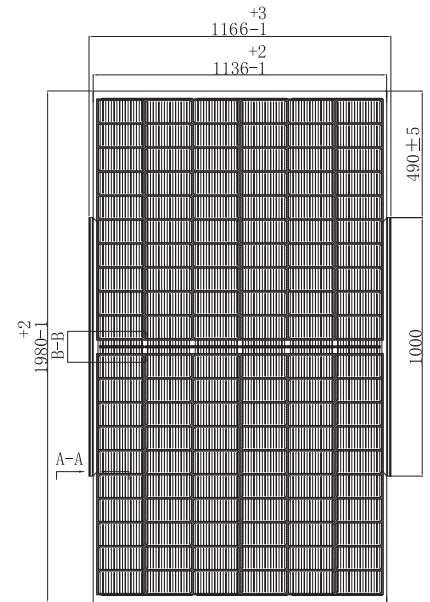
Maximum Ratings

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

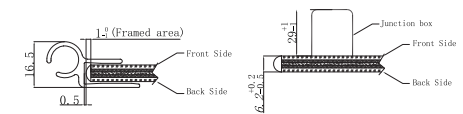
Optional

Connector: MC Compatible

Module Dimension



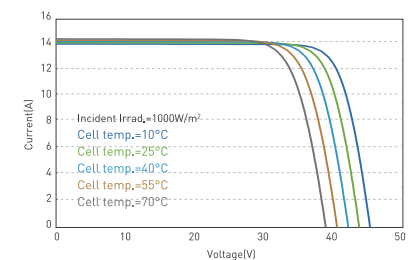
Back View



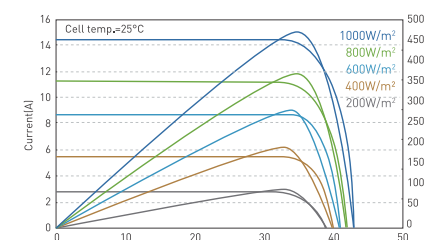
A-A

B-B

I-V Curve at Different Temperature (485W)



I-V/P-V Curve at Different Irradiation (485W)



Contact Us for More Information

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