



GCL-NT10/60GT

Monocrystalline Module

450-485 W

485W

Maximum Power Output

21.6%

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

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Monocrystalline Module 450-485 W

Electrical Specification (STC*)

		450	455	460	465	470	475	480	485
Maximum Power	P _{max} [W]	450	455	460	465	470	475	480	485
Maximum Power Voltage	V _{mp} [V]	35.13	35.33	35.53	35.73	35.94	36.13	36.34	36.53
Maximum Power Current	I _{mp} [A]	12.81	12.88	12.95	13.02	13.08	13.15	13.21	13.28
Open Circuit Voltage	V _{oc} [V]	42.24	42.39	42.54	42.69	42.84	43.00	43.15	43.30
Short Circuit Current	I _{sc} [A]	13.53	13.60	13.67	13.75	13.82	13.89	13.96	14.03
Module Efficiency	[%]	20.0	20.2	20.5	20.7	20.9	21.1	21.3	21.6
Power Output Tolerance	[W]	0~+5							

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

Electrical Specification (NOCT*)

		338.4	342.3	346.0	349.6	353.7	357.4	361.4	365.2
Maximum Power	P _{max} [W]	338.4	342.3	346.0	349.6	353.7	357.4	361.4	365.2
Maximum Power Voltage	V _{mp} [V]	32.98	33.17	33.37	33.55	33.75	33.94	34.13	34.32
Maximum Power Current	I _{mp} [A]	10.26	10.32	10.37	10.42	10.48	10.53	10.59	10.64
Open Circuit Voltage	V _{oc} [V]	40.12	40.26	40.41	40.55	40.70	40.84	40.98	41.13
Short Circuit Current	I _{sc} [A]	10.91	10.97	11.03	11.09	11.15	11.21	11.27	11.33

* 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)	1980×1136×5mm
Weight (kg)	26.5 kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Black/Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm ² [0.006 inches ²], length of "+":180mm,length of "-":180mm
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

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	30 pieces
Module per 40' container	720 pieces

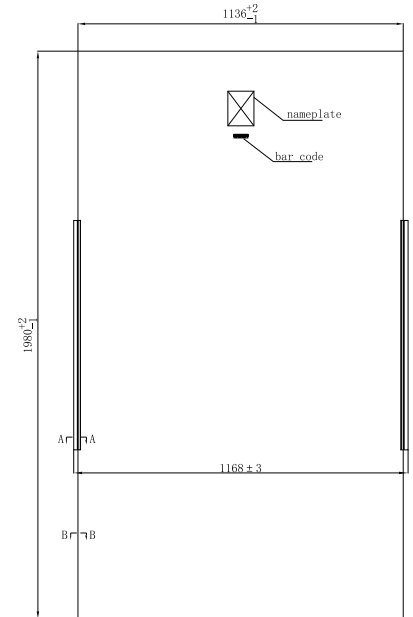
Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A

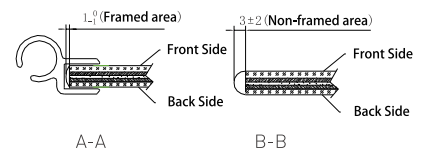
Optional

Connector: Original MC4

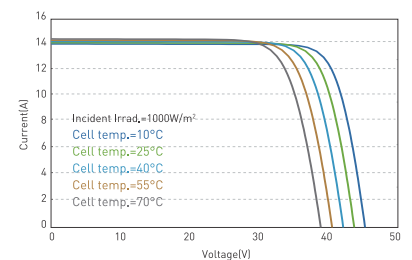
Module Dimension



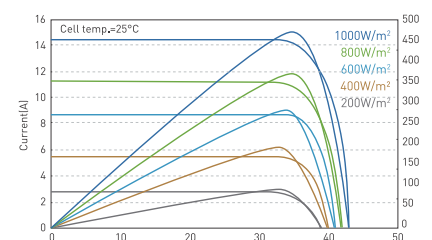
Back View



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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