



TS-M10/156G

Monocrystalline Module

605W-625W



625W
Maximum Power Output

22.40%
Maximum Module Efficiency

0~+3%
Power Output Guarantee

TOPCON



156Half Cells

- FIRE CLASS A**
Maximum fire protection through double glazing according to the highest safety requirements
- REINSURANCE COVERAGE**
Taoistic is reinsured for 30 years of performance guarantee

High quality silicon wafers guarantee high power module output and excellent cost-effectiveness, making it an ideal choice for large power plants

Selected packaging materials and strict process plans to ensure component PID resistance

Lower oxygen and carbon content leads to lower LID

Adapt to harsh outdoor environments through weather resistance tests such as sand and dust, salt spray, and ammonia gas

The design of series and parallel connection reduces the series resistance R_s of components, reduces internal electrical performance losses, and improves the power generation capacity of the system end

Our company has concluded a reinsurance agreement with Ariel Re - Lloyd's syndicate 1910. Please see <http://verification.arielre-cleanenergy.com>

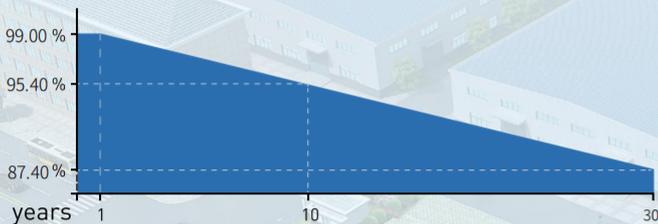
Deliver Reliable Performance Over Time

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and ISO 45001: 2018
- Tested for harsh environments (salt mist, ammonia corrosion, sand blowing test, and PID test: IEC 61701, IEC 62716)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

WARRANTY

- 12 years product warranty
- 30 years performance warranty

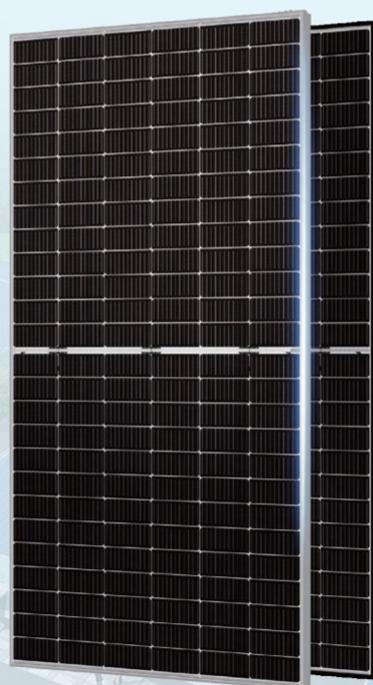
Linear Performance Warranty



12 Years Product Warranty 30 Years Linear Power Warranty

* Please refer to standard warranty for details

Product Certification



TS-M10/156G

Monocrystalline Module

605W-625W

Electrical Specification [STC*]

Maximum Power	Pmax[W]	605	610	615	620	625
Maximum Power Voltage	Vmp[V]	45.80	45.90	46.10	46.20	46.30
Maximum Power Current	Imp[A]	13.22	13.29	13.35	13.42	13.52
Open Circuit Voltage	Voc[V]	54.80	54.90	55.10	55.20	55.30
Short Circuit Current	Isc[A]	13.97	14.04	14.10	14.17	14.25
Module Efficiency	[%]	21.64	21.82	22.00	22.18	22.36
Power Output Tolerance	[W]	0~+3%				

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

RearSide Power gain

5%	Maximum Power [Wp]	635	641	646	651	656
	Efficiency STc [%]	22.75	22.93	23.12	23.31	23.50
15%	Maximum Power [Wp]	696	702	707	713	719
	Efficiency STc [%]	24.91	25.12	25.32	25.53	25.74
25%	Maximum Power [Wp]	756	762	769	775	781
	Efficiency STc [%]	27.08	27.30	27.53	27.75	27.97

*The Electrical performance parameters are neither just referred to onePV panel, nor are a part of the contract; They are only used as reference.

Mechanical Data

Number of Cells	156 pieces [6×26]
Dimensions of Module L*W*H (mm)	2465×1134×30mm
Weight (kg)	33.2kg
Front Side Glass	2.0, Anti-reflection coating glass
Back Side Glass	2.0, Hightransparency solar glass
Frame	Anodized aluminium
J-Box	Protection level IP68
Cable	4.0mm ² , 300mm
Number of diodes	3
Wind/Snow Load	2400 Pa/5400 pa*
Connector	MC4 compatible or MC compatible

* For more details please check the installation manual

Temperature Ratings

Nominal Operating Cell Temperature [NOC T]	42±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.300%/°C

Temperature Ratings

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

Packaging Configuration

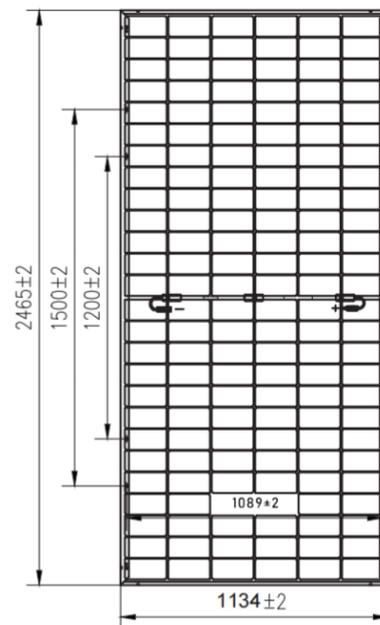
Module per box	36 pieces
Module per 17.5 flatcar	864pieces
Module per 40 container	648 pieces

* Due to different specifications, the specific loading quantity is subject to the actual arrival of goods

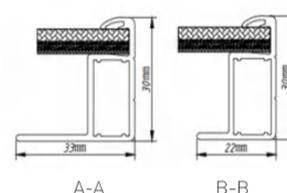
Optional

Connector	Original MC
Cable length	1200mm
Frame	Black

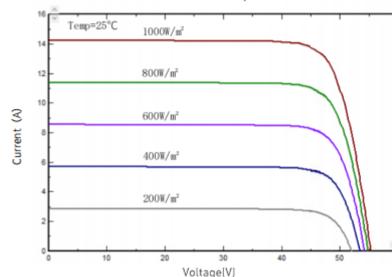
Module Dimension



Back View



I-V Curve at Different Temperature



I-V/P-V Curve at Different Irradiation

