TS-M10/108G

Monocrystalline Module

Bifacial Dual Glass

All Black 410W-430W

430W Maximum Power Output

22.02 Maximum Module Efficiency

0~+3% Power Output Guarantee

N-Type

16BB(182mm)

- **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 rs 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.arielrecleanenergy.com

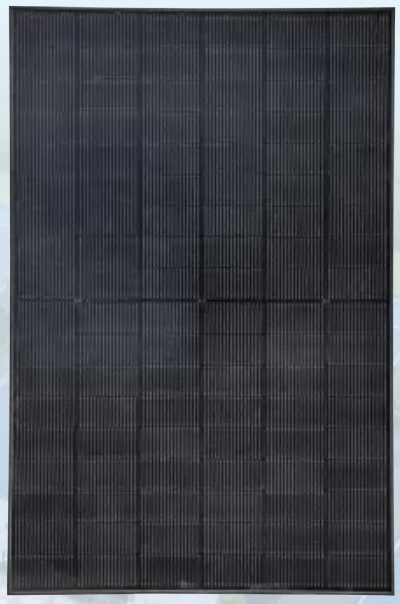
Deliver Reliable Performance Over Time

- 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: 2008
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716
- Long term reliability tests
- 2×100% EL inspection ensuring defect-free modules
- Fire class1 certificate for ITALY

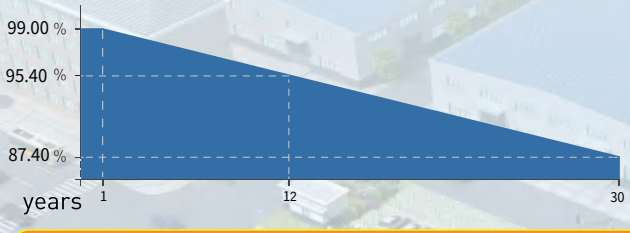
WARRANTY

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-M10/108G

Monocrystalline Module

Bifacial Dual Glass

410W-430W

Electrical Specification{STC*}

Maximum Power	Pmax{W}	410	415	420	425	430
Maximum Power Voltage	Vmp{W}	31.13	31.32	31.51	31.70	31.88
Maximum Power Current	Imp{A}	13.19	13.26	13.33	13.41	13.49
Open Circuit Voltage	Voc{V}	37.73	37.92	38.11	38.30	38.49
Short Circuit Current	Isc{A}	13.91	13.99	14.07	14.15	14.23
Module Efficiency	{%}	21.01	21.26	21.51	21.76	22.02
Power Output Tolerance	{W}	0~+3%				

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

Electrical Specification{NOCT*}

Maximum Power	Pmax{W}	308	312	316	320	324
Maximum Power Voltage	Vmp{W}	29.06	29.21	29.34	29.50	29.66
Maximum Power Current	Imp{A}	10.61	10.68	10.76	10.83	10.93
Open Circuit Voltage	Voc{V}	35.84	36.02	36.20	36.38	36.56
Short Circuit Current	Isc{A}	11.23	11.29	11.36	11.42	11.49

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

Mechanical Data

Number of Cells	108 pieces [6×18]
Dimensions of Module L*W*H{mm}	1722×1134×30/35mm
Weight{kg}	Approx 25.8/26.1 kg
Front Side Glass	2.0mm, Anti-reflection coating glass
Back Side Glass	2.0mm, Heat Strenthened glass
Frame	Black, Anodized aluminium
J-Box	Protection level IP68
Cable	4.0mm²,300mm
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{NOCT}	44±2℃
Temperature Coefficient of Isc	+0.046%/℃
Temperature Coefficient of Voc	- 0.250%/℃
Temperature Coefficient of PMAX	- 0.300%/℃

Temperature Ratings

Operational Temperature	- 40~+85℃
Maximum System Voltage	1500V DC-[H]
Max Series Fuse Rating	25A

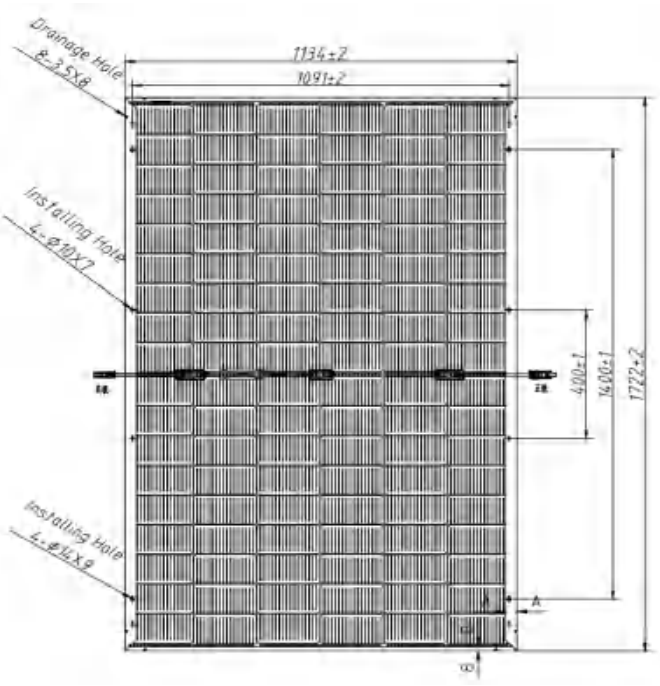
Packaging Configuration

Module per box	36/31 pieces
Module per 40 container	828/806 pieces

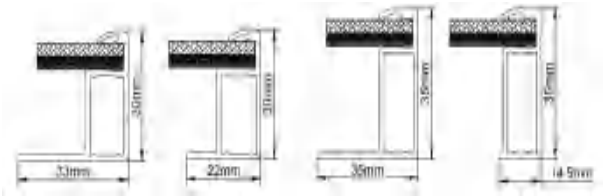
Optional

Connector	Original MC
Cable length	1200mm
Frame	silver
Glass	White

Module Dimension

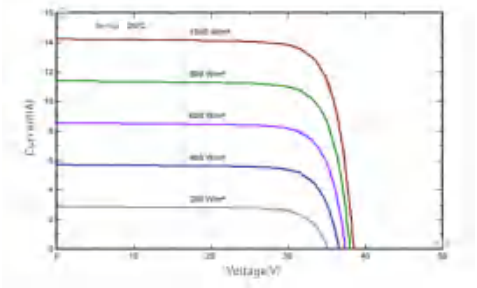


Back View



Long edge A-A | Short edge B-B | Long edge A-A | Short edge B-B

I-V Curve at Different Temperature (430W)



I-V/P-V Curve at Different Irradiation (430W)