

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

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

PID

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

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

LID

Lower oxygen and carbon content leads to lower LID

Our company has concluded a reinsurance agreement with
Ariel Re - Lloyd's syndicate 1910

Monocrystalline Module

PV Modules

N-Type

DA-NM12R/132GN
600W-630W

P-Type

DA-M10/144H
530W-550W

TOPCON

DA-M10/144GN
565W-595W

DA-HC-DG-730
705W-730W

565-595W

Type	DA-M10/144GN(Bifacial Dual Glass)						
Electrical Specification(STC*)							
Maximum Power	565	570	575	580	585	590	595
Maximum Power Voltage	42.14	42.29	42.44	42.59	42.75	42.90	43.06
Maximum Power Current	13.41	13.48	13.55	13.62	13.69	13.76	13..82
Open Circuit Voltage	50.87	51.07	51.27	51.47	51.67	51.87	52.07
Short Circuit Current	14.19	14.25	14.31	14.37	14.43	14.49	14.55
Module Efficiency	21.90	22.10	22.30	22.50	22.70	22.90	23.00
Power Output Tolerance	0~+3%						

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

Electrical Specification(NOCT*)							
Maximum Power	425	429	432	436	440	444	448
Maximum Power Voltage	39.38	39.51	39.60	39.69	39.81	39.93	40.05
Maximum Power Current	10.79	10.85	10.92	10.99	11.05	11.12	11.19
Open Circuit Voltage	48.06	48.20	48.33	48.46	48.60	48.74	48.88
Short Circuit Current	11.49	11.55	11.62	11.68	11.75	11.82	11.89

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

Mechanical Data	
Number of Cells	144 pieces [6×24]
Dimensions of Module L*W*H(mm)	2278×1134×30/35㎜
Weight (kg)	Approx 32.0/32.3 kg
Front Side Glass	2.0mm， Anti-reflection coating glass
Back Side Glass	2.0mm,Hightransparency solar glass
Frame	Anodized aluminium
J-Box	Protection level IP68
Cable	4.0㎜²,1200㎜
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

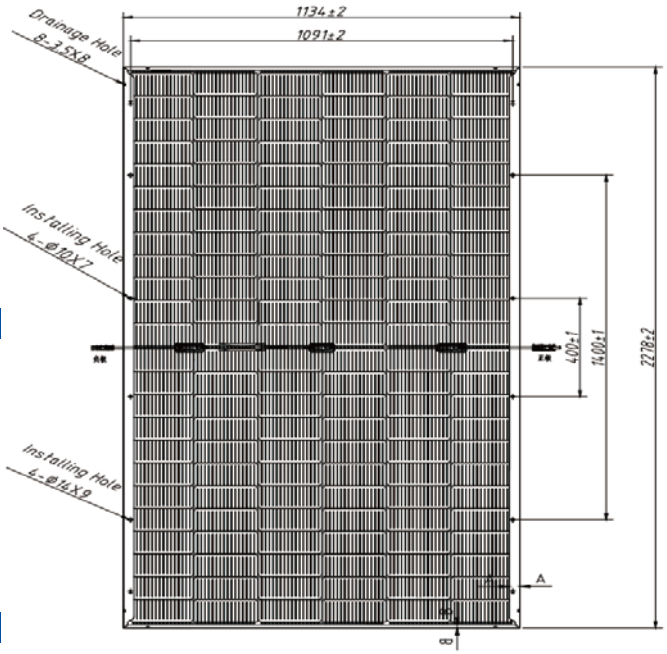
Temperature Ratings	
Nominal Operating Cell Temperature(NOCT)	44±2℃
Temperature Coefficient of Isc	+0.046%/℃
Temperature Coefficient of Voc	- 0.250%/℃
Temperature Coefficient of PMAX	0.300%/℃

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

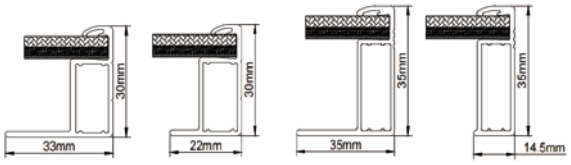
Packaging Configuration	
Module per box	36/37 pieces
Module per 17.5 flatcar	864/868 pieces
Module per 40 container	720/740 pieces

Optional	
Connector	Original MC
Cable length	1200㎜
Frame	Black
Glass	Black

Module Dimension

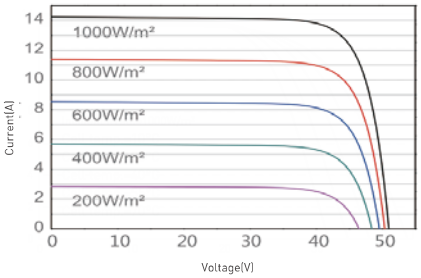


Back View



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

I-V Curve at Different Temperature (570W)



I-V/P-V Curve at Different Irradiation (570W)

