

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

600W-630W

Type	DA-NM12R/132GN(Bifacial Dual Glass)

Electrical Specification(STC*)

Maximum Power	600	605	610	615	620	625	630
Maximum Power Voltage	40.30	40.50	40.80	41.10	41.40	41.70	42.00
Maximum Power Current	14.91	14.94	14.96	14.98	14.99	15.00	15.01
Open Circuit Voltage	48.40	48.70	49.00	49.30	49.60	49.90	50.20
Short Circuit Current	15.80	15.83	15.86	15.89	15.91	15.92	15.94
Module Efficiency	22.30	22.50	22.70	22.90	23.10	23.30	23.50
Power Output Tolerance	0~+3%						

Electrical Specification(NOCT*)

Maximum Power	455	459	463	467	471	475	479
Maximum Power Voltage	37.20	37.50	37.80	38.10	38.40	38.70	39.00
Maximum Power Current	12.23	12.24	12.26	12.28	12.29	12.30	12.31
Open Circuit Voltage	46.00	46.30	46.60	46.90	47.20	47.50	47.80
Short Circuit Current	12.60	12.63	12.66	12.69	12.72	12.75	12.78

Mechanical Data

Number of Cells	132 pieces [6×22]
Dimensions of Module L*W*H(mm)	2382 ×1134×30/35㎜
Weight (kg)	Approx 33.3/33.6 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㎟, 300㎜
Number of diodes	3
Wind/Snow Load	2400 Pa/5400 pa*
Connector	MC4 compatible or MC compatible

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	35A

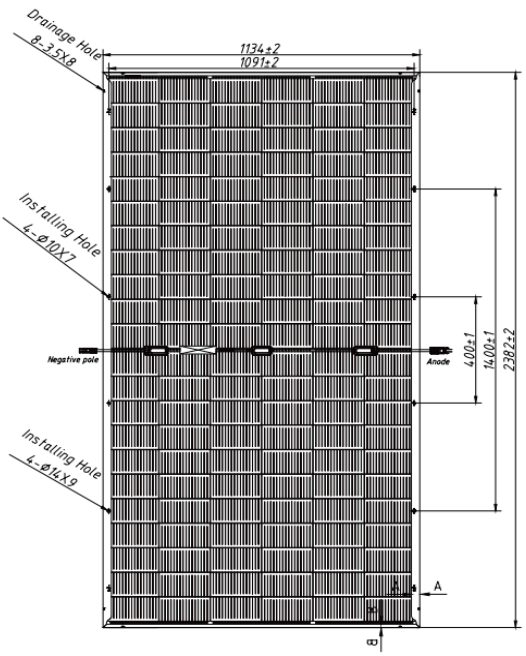
Packaging Configuration

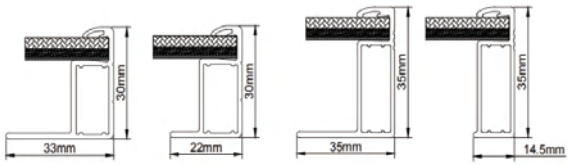
Module per box	36/31 pieces
Module per 17.5 flatcar	828 /806 pieces
Module per 40 container	720/620 pieces

Optional

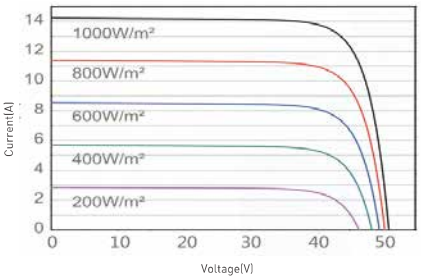
Connector	Original MC
Cable length	1200㎜
Frame	Black
Glass	Black

Module Dimension





I-V Curve at Different Temperature (630W)



I-V/P-V Curve at Different Irradiation (630W)

