NIPPON ENERGY

ENERGY SUPER VISION

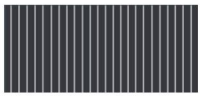
NPL-132-SDGDC-750

Monocrystalline Module
Bifacial Dual Glass

730-750W

750W	24.10%	0~+3%
Maximum Power Output	Maximum Module Efficiency	Power Output Guarantee

OBB



210*105mm

- **FIRE CLASS C**
  Fire protection through double glazing according to safety requirements
- **REINSURANCE COVERAGE**
  NIPPON 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

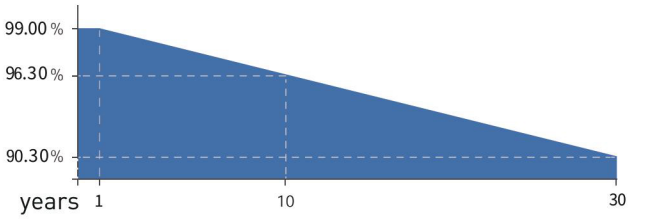
Deliver Reliable Performance Over Time

- 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 ,sand blowing test, and PID test:IEC 61701,IEC 62716)
- Long term reliability tests
- 2×100% EL inspection ensuring defect-free modules

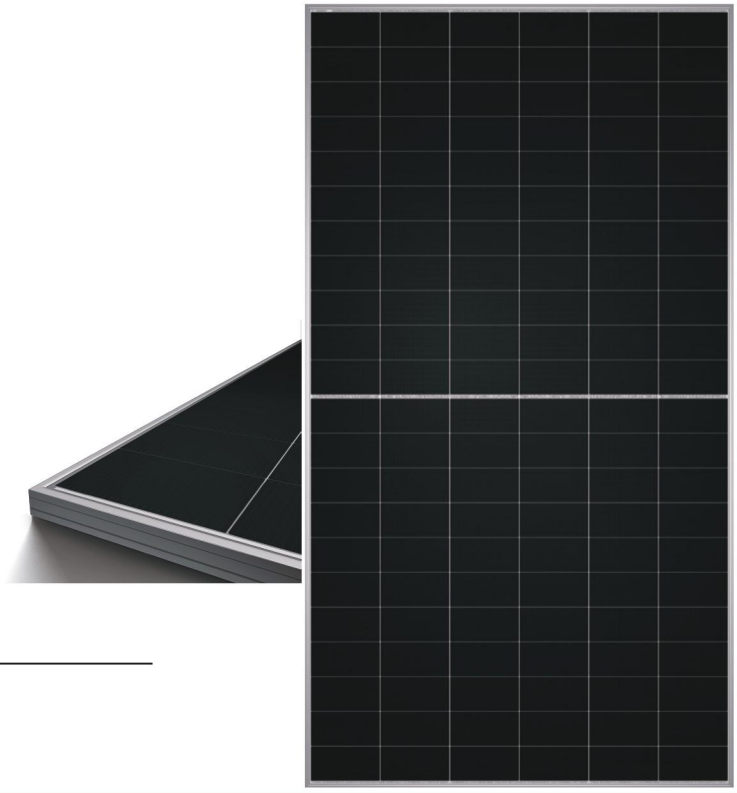
WARRANTY

15 Years product warranty
30 Years performance warranty

Linear Performance Warranty



15 Years products Warranty 30 Years Linear Power Warranty



Product Certification

NPL-132-SDGDC-750

Monocrystalline Module
Bifacial Dual Glass
730-750W

Electrical Specification { STC*}

Maximum Power	Pmax[W]	730	735	740	745	750
Maximum Power Voltage	Vmp[V]	42.32	42.41	42.50	42.59	42.68
Maximum Power Current	Imp[A]	17.26	17.34	17.42	17.50	17.58
Open Circuit Voltage	Voc[V]	50.37	50.47	50.57	50.67	50.77
Short Circuit Current	Isc[A]	18.35	18.44	18.53	18.62	18.71
Module Efficiency	[%]	23.50	23.70	23.80	24.00	24.10
Power Output Tolerance	[W]			0~+3%		

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

Electrical Specification { NOCT*}

Maximum Power	Pmax[W]	557	561	565	568	572
Maximum Power Voltage	Vmp[V]	40.41	40.50	40.58	40.67	40.76
Maximum Power Current	Imp[A]	13.79	13.86	13.92	13.99	14.05
Open Circuit Voltage	Voc[V]	48.08	48.17	48.27	48.36	48.46
Short Circuit Current	Isc[A]	14.67	14.74	14.81	14.88	14.95

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

Mechanical Data

Number of Cells	132 pieces [6×22]
Dimensions of Module L*W*H[mm]	2384×1303×30mm
Weight[kg]	Approx 37.5 kg
Front Side Glass	2.0mm, Anti-reflection coating glass
Back Side Glass	2.0mm, Hightransparency solar glass
Frame	Alloy Steel Frame
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°C
Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.220%/°C
Temperature Coefficient of PMAX	-0.240%/°C
Bifaciality	75±5%

Temperature Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC-[H]
Max Series Fuse Rating	35A

Packaging Configuration

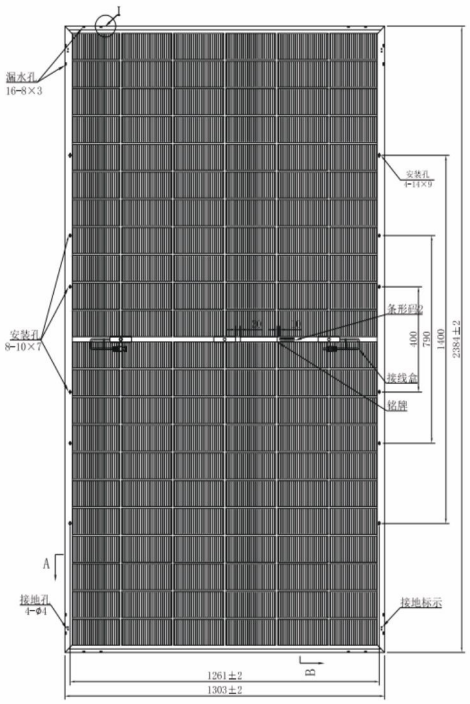
Module per box	37pieces
Module per 40 container	666pieces

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

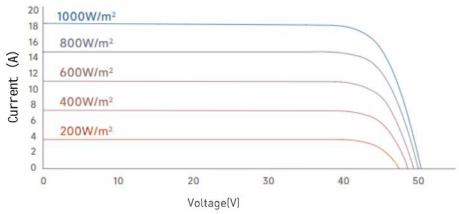
Optional

Connector	Original MC
Cable length	1200mm
Frame	Anodized aluminium
Glass	Black

Module Dimension



I-V Curve at Different Temperature [730W]



I-V/P-V Curve at Different Irradiation [730W]