

SynMax 2

72DG

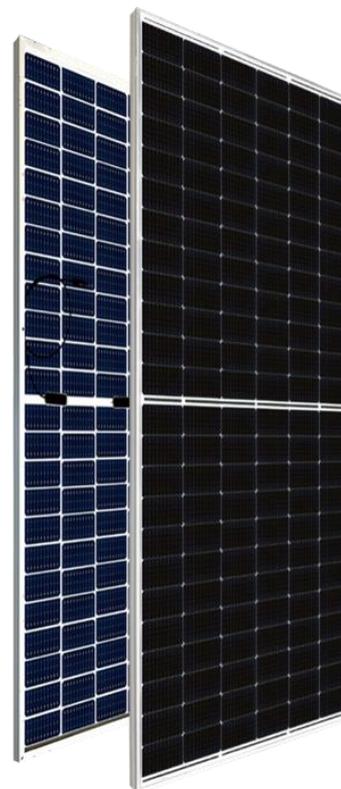
565~580 Watt

BIFACIAL DOUBLE GLASS MODULE

N-Type

0~+3% Positive power tolerance

SynMax-2 72DG bifacial double glass mono crystalline silicon solar module is particularly designed for solar farms and large rooftops. With N-Silicon technology, its extraordinarily high power output and excellent performance provide more yield from both front and rear side, reduce BOS cost significantly and bring better LCOE.



Key Features



SynMax-2 Technology

Innovated cell structure brings extremely high efficiency



Longer Life-span yield

0.4% annual power degradation and 30 year linear power warranty.



Lower LID/LETID

N-Silicon technology provides better reliability and lower LID/LETID



PID Resistance

Excellent Anti-PID performance



Better Temperature Coefficient

Better temperature coefficient provides less hot loss



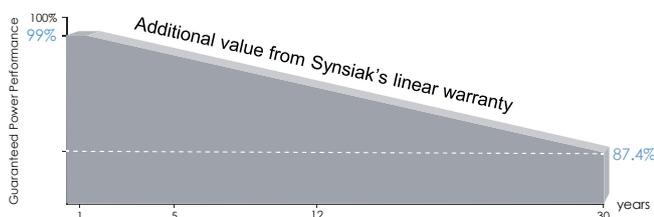
Better LCOE

Excellent performance brings better LCOE

22.45%
Max Efficiency

30 Years
Power Warranty

Linear Performance Warranty

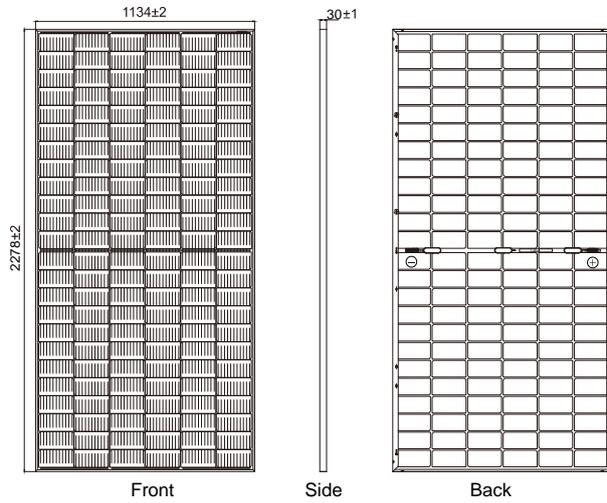


15 Years Product Warranty

30 Years Linear Power Warranty

1% First Year Degradation

0.4% from Second Year



MECHANICAL CHARACTERISTICS

Cell Type	N type Mono-crystalline 182x91mm
No. of Cells	144 cells
Dimensions	2278(±2)×1134(±2)×30(±1)mm
Weight	31.2kg±3%
Front Glass	2.0mm, Anti-Reflection Coating
Rear Glass	2.0mm, Heat Strengthened
Frame	Anodized Aluminum Alloy
Max Static Loading	5400Pa(front)/2400Pa(rear)
Junction Box	IP68 Rated
Output Cables	4.0 mm ² , cable length: 300 mm or Customized Length

PACKAGING CONFIGURATION

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

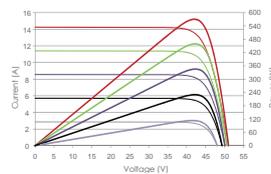
SPECIFICATIONS

Module Type	SK2-M72DG-565	SK2-M72DG-570	SK2-M72DG-575	SK2-M72DG-580
Maximum Power (Pmax/W)	565	570	575	580
Maximum Power Voltage (Vmp/V)	43.58	43.87	44.17	44.46
Maximum Power Current (Imp/A)	12.99	13.02	13.05	13.08
Open-circuit Voltage (Voc/V)	51.63	51.75	51.86	51.98
Short-circuit Current (Isc/A)	13.58	13.59	13.61	13.63
Module Efficiency STC (%)	21.87	22.07	22.26	22.45
Operating Temperature	-40°C~+85°C			
Maximum System Voltage	1500VDC			
Maximum Series Fuse Rating	30A			
Power Tolerance	0~+3%			
Refer. Bifacial Factor	80±10%			
STC	Irradiance 1000W/M2, cell temperature 25°C, AM 1.5			

TEMPERATURE RATINGS

Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.046%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve (570W)



Temperature Dependence of Isc, Voc, Pmax

