

SynMax 2 54DG(B) 420~435 Watt

ALL BLACK
BIFACIAL DOUBLE GLASS MODULE
N-Type

0~+3% Positive power tolerance

SynMax-2 54DG bifacial double glass mono crystalline silicon solar module, which is particularly designed for rooftops, makes installation much easier. With N-Silicon technology, its extraordinarily high efficiency enables you to install as many as you can in a limited area and its excellent performance provides more yield.



22.3%
Max Efficiency

25 Years
Product Warranty

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

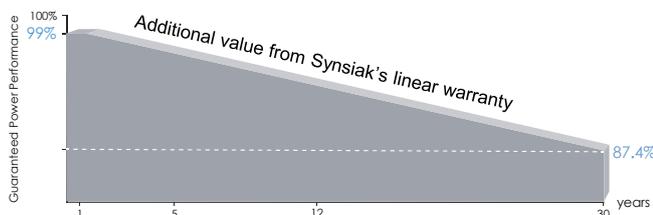


Better Temperature Coefficient
Better temperature coefficient provides less hot loss



Excellent Low Irradiance Performance
Longer working hours and more power

Linear Performance Warranty

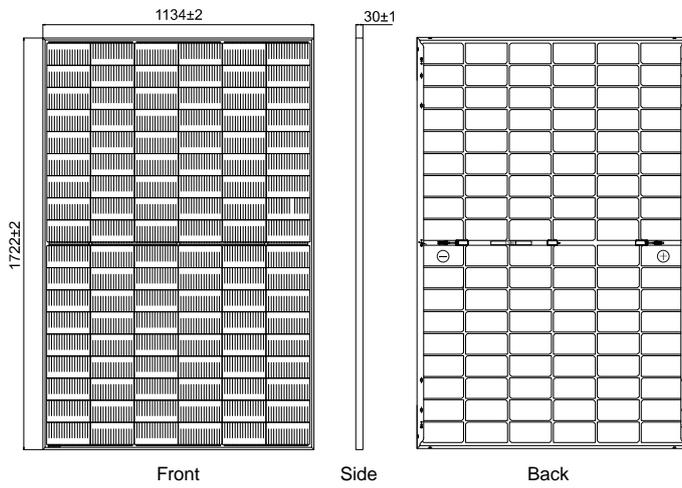


25 Years Product Warranty

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	108 cells
Dimensions	1722(±2)×1134(±2)×30(±1)mm
Weight	21.3kg±3%
Front Glass	1.6mm, Anti-Reflection Coating
Rear Glass	1.6mm, Heat Strengthened
Frame	Anodized Aluminum Alloy
Max Static Loading	3600Pa(front)/2400Pa(rear)
Junction Box	IP68 Rated
Output Cables	4.0 mm ² , cable length: 1200 mm or Customized Length

PACKAGING CONFIGURATION

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

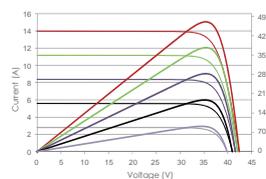
SPECIFICATIONS

Module Type	SK2-M54DG-420B	SK2-M54DG-425B	SK2-M54DG-430B	SK2-M54DG-435B
Maximum Power (P _{max} /W)	420	425	430	435
Maximum Power Voltage (V _{mp} /V)	32.26	32.55	32.85	33.15
Maximum Power Current (I _{mp} /A)	12.99	13.03	13.07	13.11
Open-circuit Voltage (V _{oc} /V)	38.32	38.43	38.55	38.67
Short-circuit Current (I _{sc} /A)	13.53	13.55	13.56	13.58
Module Efficiency STC (%)	21.5	21.8	22.0	22.3
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/M ² , cell temperature 25°C, AM 1.5			

TEMPERATURE RATINGS

Temperature Coefficient of P _{max}	-0.30%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve (430W)



Temperature Dependence of I_{sc}, V_{oc}, P_{max}

