

# SKM4F-54D2

## 420~435 Watt

**BLACK FRAME**  
**BIFACIAL DOUBLE GLASS MODULE**  
**N-Type**

**0~+3% Positive power tolerance**

SKM4F-54D2 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.



### 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

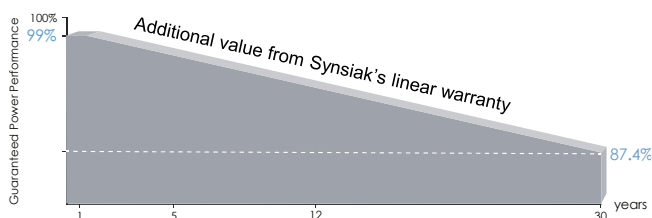


**Excellent Low Irradiance Performance**  
Longer working hours and more power

**22.3%**  
Max Efficiency

**25 Years**  
Product Warranty

### Linear Performance Warranty

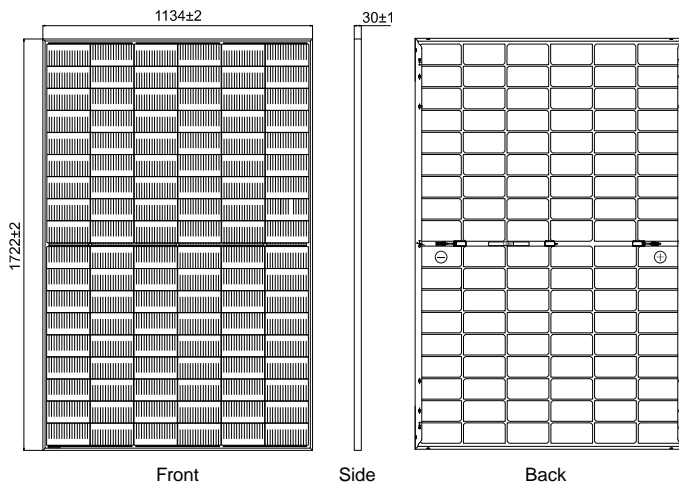


**25 Years Product Warranty**

**30 Years Linear Power Warranty**

**1% First Year Degradation**

**0.4% from Second Year**



## MECHANICAL CHARACTERISTICS

Cell Type	N type Mono-crystalline
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	5400Pa(front)/2400Pa(rear)
Junction Box	IP68 Rated
Output Cables	4.0 mm <sup>2</sup> , cable length: 1200 mm or Customized Length

## PACKAGING CONFIGURATION

( Two pallets = One stack )

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

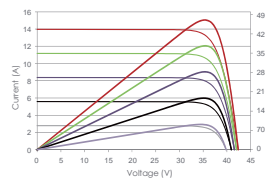
## SPECIFICATIONS

Module Type	SKM4F-54D2-420	SKM4F-54D2-425	SKM4F-54D2-430	SKM4F-54D2-435
Maximum Power (P <sub>max</sub> /W)	420	425	430	435
Maximum Power Voltage (V <sub>mp</sub> /V)	32.26	32.55	32.85	33.14
Maximum Power Current (I <sub>mp</sub> /A)	13.02	13.06	13.09	13.13
Open-circuit Voltage (V <sub>oc</sub> /V)	38.76	39.04	39.53	40.02
Short-circuit Current (I <sub>sc</sub> /A)	13.54	13.56	13.57	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 <sup>2</sup> , cell temperature 25°C, AM 1.5			

## TEMPERATURE RATINGS

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

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



Temperature Dependence of I<sub>sc</sub>, V<sub>oc</sub>, P<sub>max</sub>

