

# SKM2F-72S1

## 540~555 Watt

MONO-FACIAL MODULE

**P-Type**

0~+3% Positive power tolerance

SKM2F-72S1 mono crystalline silicon solar module is particularly designed for large rooftops and solar farms. Its extraordinarily high power output and power density reduce BOS cost significantly and provide better LCOE.



**21.5%**  
Max Efficiency

**12 Years**  
Product Warranty

### Key Features



**Multi-busbar Technology**

Multi-busbar helps to trap more light and electricity



**M10(182mm) Cell**

M10 cell provides extraordinarily high power



**Less Hot Spot Risk**

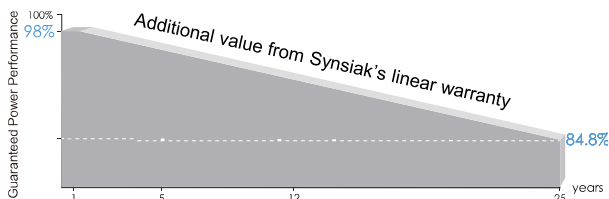
Half-cut technology reduces inner loss and hot spot risk



**Better LCOE**

Excellent performance brings better LCOE

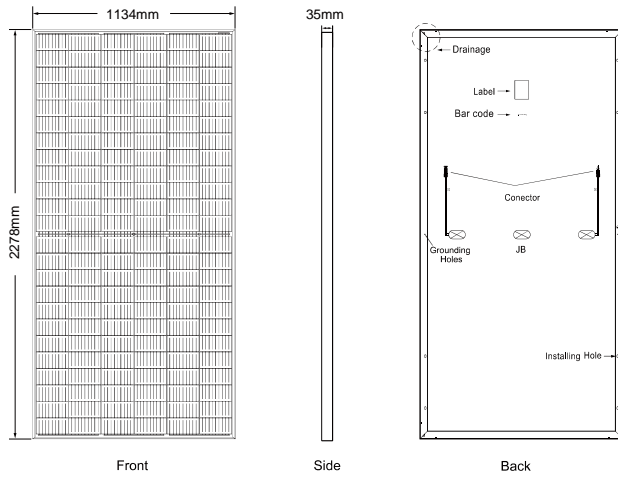
### Linear Performance Warranty



**12 Years** Product Warranty

**25 Years** Linear Power Warranty

**0.55%** Annual Degradation



## MECHANICAL CHARACTERISTICS

Cell Type	P type Mono-crystalline
No. of Cells	144 cells
Dimensions	2278(±2)×1134(±2)×35(±1)mm
Weight	28.5kg±3%
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
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: 300 mm or Customized Length

## PACKAGING CONFIGURATION

( Two pallets = One stack )

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

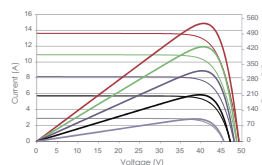
## SPECIFICATIONS

Module Type	SKM2F-72S1-540	SKM2F-72S1-545	SKM2F-72S1-550	SKM2F-72S1-555
Maximum Power (P <sub>max</sub> /W)	540	545	550	555
Maximum Power Voltage (V <sub>mp</sub> /V)	41.70	41.85	42.00	42.15
Maximum Power Current (I <sub>mp</sub> /A)	12.95	13.03	13.10	13.17
Open-circuit Voltage (V <sub>oc</sub> /V)	49.55	49.70	49.85	50.00
Short-circuit Current (I <sub>sc</sub> /A)	13.85	13.91	13.97	14.02
Module Efficiency STC (%)	20.9	21.1	21.3	21.5
Operating Temperature	-40°C~+85°C			
Maximum System Voltage	1500VDC			
Maximum Series Fuse Rating	25A			
Power Tolerance	0~+3%			
STC	Irradiance 1000W/M <sup>2</sup> , cell temperature 25°C, AM 1.5			

## TEMPERATURE RATINGS

Temperature Coefficient of P <sub>max</sub>	-0.35%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.275%/°C
Temperature Coefficient of I <sub>sc</sub>	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve (540W)



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

