

## P-type 72H 550-570 Watt MONO-FACIAL MODULE

### P-Type

Positive power tolerance of 0~+3%

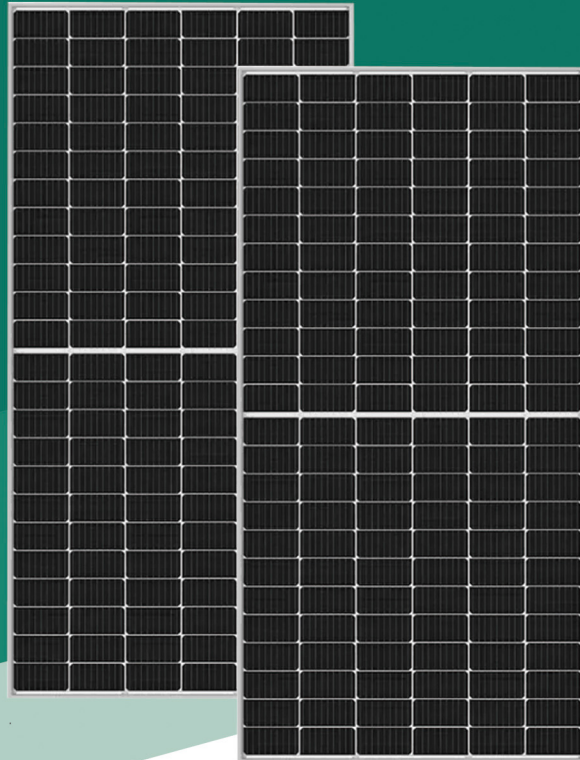
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

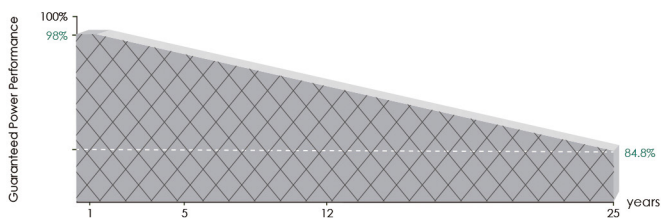
ISO45001:2018

Occupational health and safety management systems



## Key Features

### LINEAR PERFORMANCE WARRANTY



**12** Year Product Warranty

**25** Year Linear Power Warranty

**0.55%** Annual Degradation Over 25 years



#### Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



#### Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



#### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

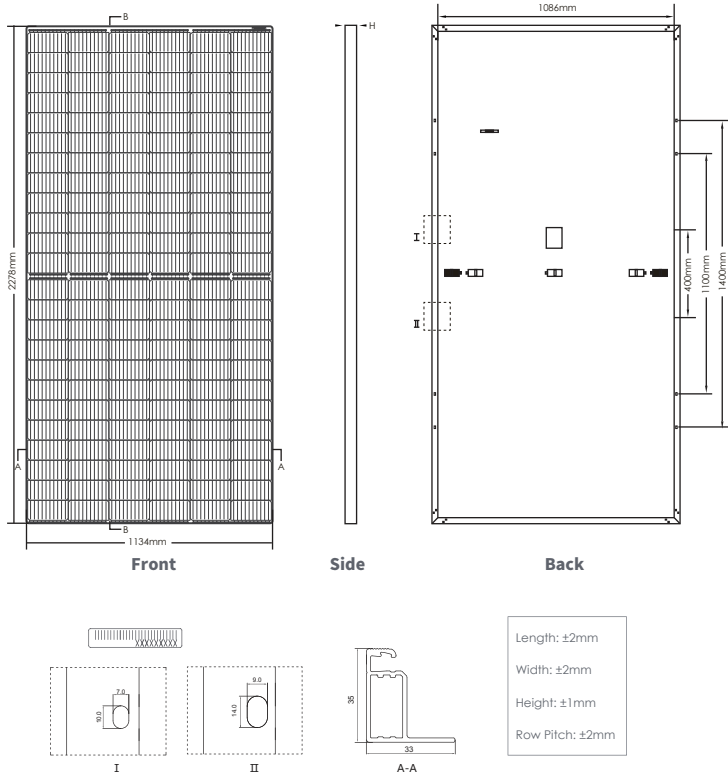


#### Longer Life-time Power Yield

0.55% annual power degradation and 25 year linear power warranty.

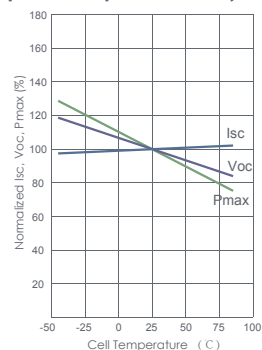


## Engineering Drawings



## Electrical Performance & Temperature Dependence

Temperature Dependence of Isc, Voc, Pmax



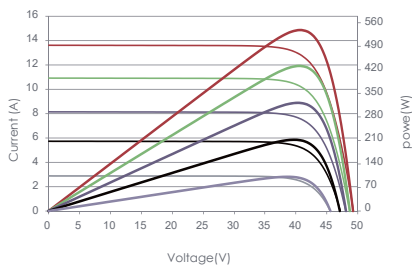
## Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×35mm
Weight	28 kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length
Packaging	31 pcs/pallets, 620pcs/ 40'HQ Container

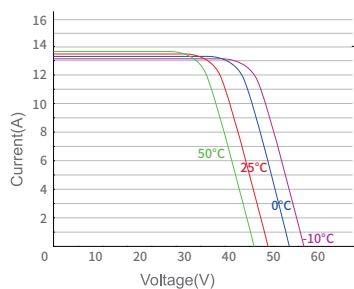
## ELECTRICAL DATA (STC)

Module Type	SKM550-570M-72H				
Maximum Power (Pmax)(Wp)	550	555	560	565	570
Maximum Power Voltage (Vmp)(V)	40.90	40.99	41.09	41.19	41.29
Maximum Power Current (Imp)(A)	13.45	13.54	13.63	13.72	13.81
Open-circuit Voltage (Voc)(V)	49.62	49.72	49.82	49.92	50.02
Short-circuit Current (Isc)(A)	14.03	14.12	14.21	14.30	14.39
Module Efficiency STC (%)	21.29	21.48	21.67	21.86	22.05

Current-Voltage & Power-Voltage Curves (560W)



I-V characteristics at different temperatures (AM1.5, 1000W/m<sup>2</sup>)



## ELECTRICAL DATA (NMOT)

Module Type	SKM550-570M-72H				
Maximum Power (Pmax)(Wp)	409	413	417	421	425
Maximum Power Voltage (Vmp)(V)	38.42	38.59	38.76	38.93	39.10
Maximum Power Current (Imp)(A)	10.65	10.70	10.75	10.80	10.85
Open-circuit Voltage (Voc)(V)	46.84	46.93	47.02	47.11	47.20
Short-circuit Current (Isc)(A)	11.33	11.40	11.47	11.54	11.61

## TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Power tolerance	0~+3%
Operational Temperature	-40 °C~+85°C
Maximum System Voltage	1000/1500VDC (IEC)
Max Series Fuse Rating	25A

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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Add: Room 707, Ruishangju, Xixiang Street Bao'an District, Shenzhen, China Web: www.sikosolar.com Email: info@sikosolar.com  
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