

P-type 60H 585-610 Watt MONO-FACIAL MODULE

P-Type

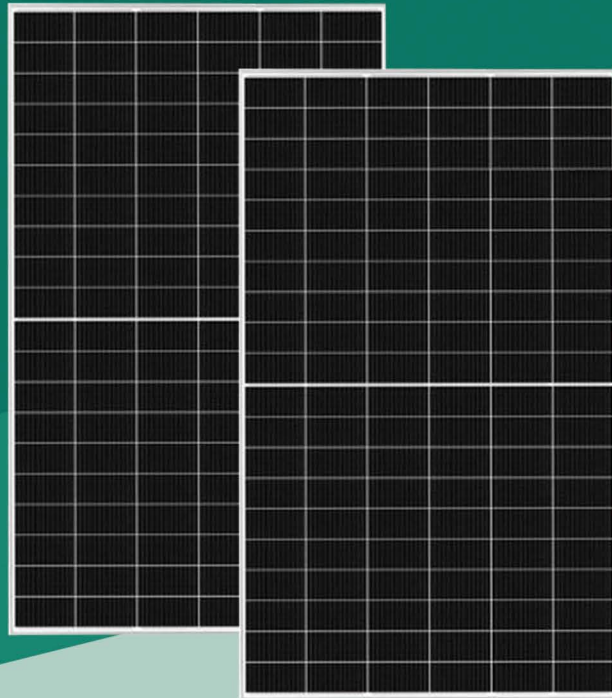
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

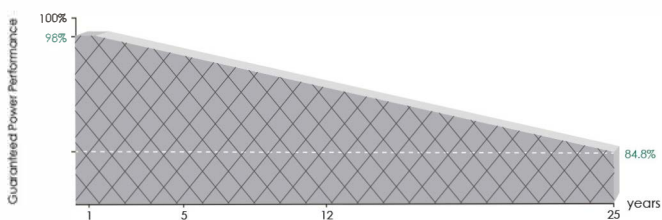
ISO14001:2015: Environment Management System

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).

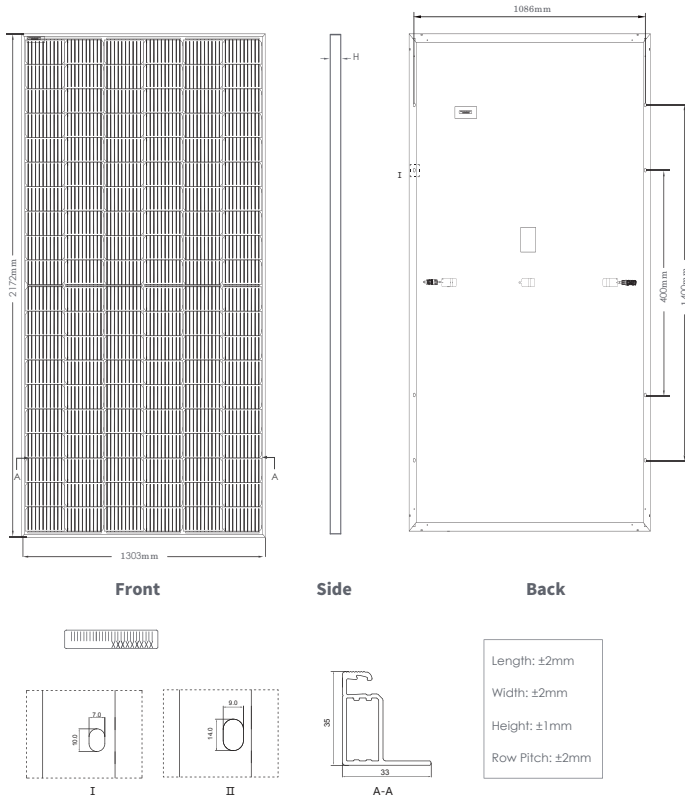


Longer Life-time Power Yield

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

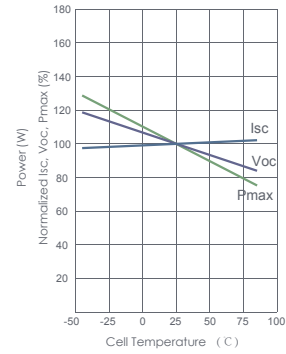


Engineering Drawings



Electrical Performance & Temperature Dependence

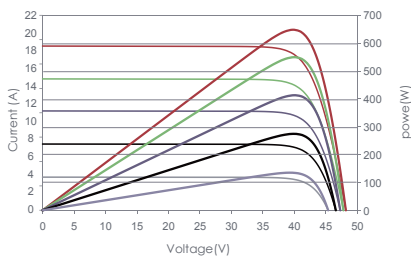
Temperature Dependence of Isc, Voc, Pmax



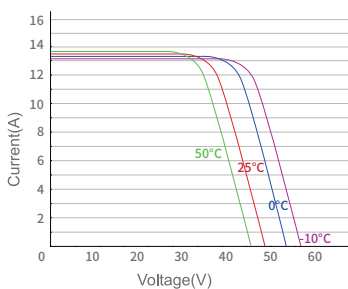
Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	120(6×20)
Dimensions	2172×1303×35mm
Weight	31.5kg
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 ² (+): 400mm, (-): 200mm or Customized Length
Packaging	31 pcs/pallets, 558 pcs/ 40'HQ Container

Current-Voltage & Power-Voltage Curves (590W)



I-V characteristics at different temperatures (AM1.5, 1000W/m²)



ELECTRICAL DATA (STC)

Module Type	SKM585-610M-60H					
Maximum Power (Pmax)(Wp)	585	590	595	600	605	610
Maximum Power Voltage (Vmp)(V)	34.12	34.32	34.50	34.70	34.88	35.01
Maximum Power Current (Imp)(A)	17.15	17.20	17.25	17.30	17.35	17.40
Open-circuit Voltage (Voc)(V)	41.00	41.20	41.40	41.60	41.80	42.00
Short-circuit Current (Isc)(A)	18.16	18.21	18.26	18.32	18.37	18.42
Module Efficiency STC (%)	20.7	20.8	21.0	21.2	21.4	21.60

ELECTRICAL DATA (NMOT)

Module Type	SKM585-610M-60H					
Maximum Power (Pmax)(Wp)	443.1	447	450.7	454.6	458.3	462.2
Maximum Power Voltage (Vmp)(V)	31.66	31.85	32.02	32.20	32.37	32.53
Maximum Power Current (Imp)(A)	13.99	14.04	14.08	14.12	14.16	14.20
Open-circuit Voltage (Voc)(V)	38.13	38.32	38.50	38.69	38.87	39.06
Short-circuit Current (Isc)(A)	14.89	14.93	14.97	15.02	15.06	15.10

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Power tolerance	0~+3%
Operational Temperature	-40 °C~+85°C
Maximum System Voltage	1500VDC (IEC)
Max Series Fuse Rating	30A

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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