

N-type72H 555-575 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

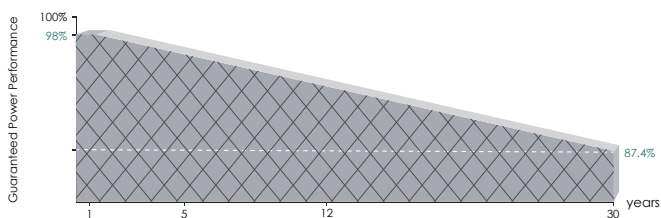
ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems



Key Features

LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years



SMBB Technology

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



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

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



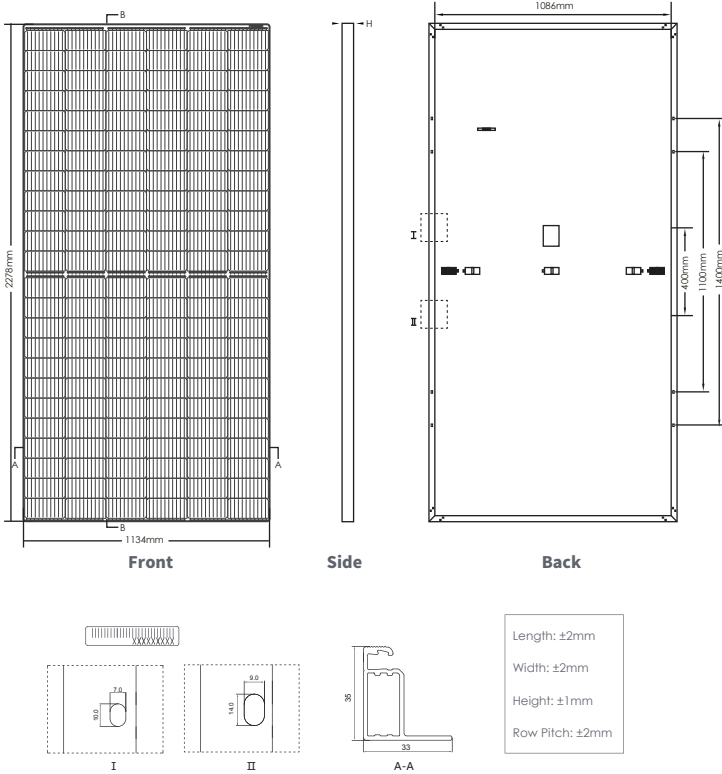
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

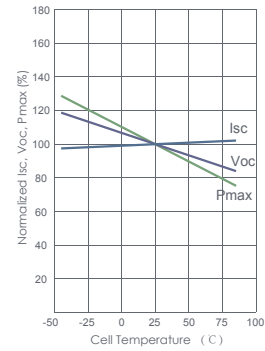


Engineering Drawings

Electrical Performance & Temperature Dependence



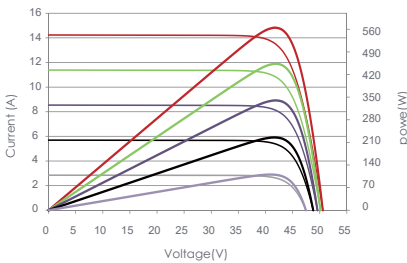
Temperature Dependence of Isc, Voc, Pmax



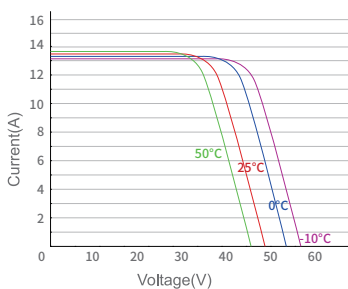
Mechanical Characteristics

Cell Type	N 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 ² (+): 400mm, (-): 200mm or Customized Length
Packaging	31 pcs/pallets, 620pcs/ 40'HQ Container

Current-Voltage & Power-Voltage Curves (565W)



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



ELECTRICAL DATA (STC)

Module Type	SKM555-575N-72H				
Maximum Power (Pmax)(Wp)	555	560	565	570	575
Maximum Power Voltage (Vmp)(V)	41.64	41.77	41.92	42.07	42.22
Maximum Power Current (Imp)(A)	13.33	13.41	13.48	13.55	13.62
Open-circuit Voltage (Voc)(V)	50.34	50.47	50.6	50.74	50.88
Short-circuit Current (Isc)(A)	14.07	14.15	14.23	14.31	14.39
Module Efficiency STC (%)	21.52	21.72	21.91	22.1	22.3

ELECTRICAL DATA (NMOT)

Module Type	SKM555-575N-72H				
Maximum Power (Pmax)(Wp)	417	421	425	429	432
Maximum Power Voltage (Vmp)(V)	39.12	39.25	39.38	39.51	39.6
Maximum Power Current (Imp)(A)	10.67	10.73	10.79	10.85	10.92
Open-circuit Voltage (Voc)(V)	47.82	47.94	48.06	48.2	48.33
Short-circuit Current (Isc)(A)	11.36	11.42	11.49	11.55	11.62

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.30%/°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.

©2022 Siko Solar Co., Ltd. All rights reserved.

Add: Room 707, Ruishangju, Xixiang Street Bao'an District, Shenzhen, China Web: www.sikosolar.com Email: info@sikosolar.com
Specifications included in this datasheet are subject to change without notice.