



# SR4-54HTB 400-420M

MAXIMUM EFFICIENCY %

21.50

POSITIVE POWER TOLERANCE WP

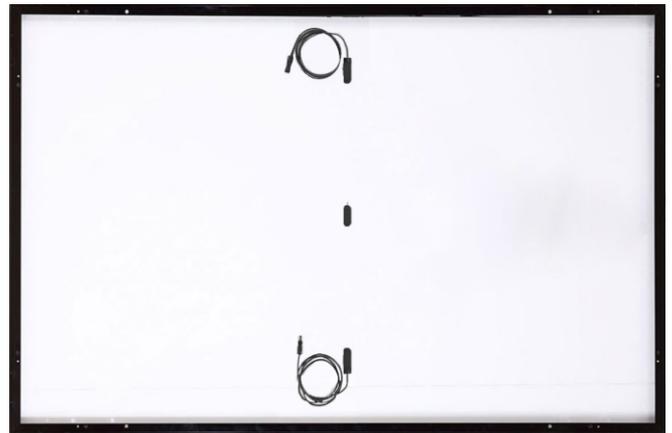
0~+5.00

CELLS

M10 108

MODULE TECHNOLOGY

TOPCon & MICRO GAP DESIGN  
WITH IMPROVED SHADE TOLERANCE



### Breaking the 20 % efficiency barrier



TOPCon and Micro Gap cell layout boosts module efficiency up to 21.5 %.

### A reliable investment



Inclusive 25-year product warranty and 25-year linear performance warranty.

### Enduring high performance



Anti LeTID Technology, Anti PID Technology and Hot-Spot Protect.

### Innovative all-weather technology



Optimal yields, whatever the weather with excellent low-light and temperature behaviour

### Extreme weather rating



High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



The ideal solution for:

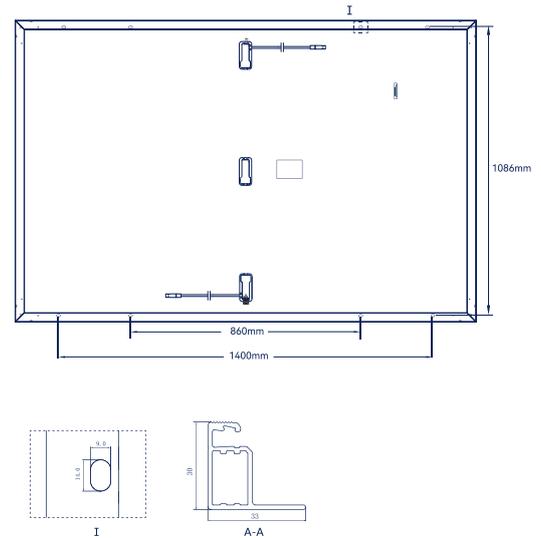


Rooftop arrays on residential buildings

## MECHANICAL SPECIFICATION

Cell Type	N-type Monocrystalline		
Cell Dimensions	182x182mm		
Cell Arrangement	108 (6x18)		
Weight	21.5kg (46.4lbs)		
Module Dimensions	1722x1134x30 mm (67.80x44.65x1.18 inches)		
Cable Length	300mm in Length or Customized Length		
Cable Cross Section Size	TUV: 4mm <sup>2</sup> (0.006inches <sup>2</sup> )/UL: 12AWG		
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass		
No. of Bypass Diodes	3		
Packing Configuration (1)	36pcs/carton, 936pcs/40hq		
Connector	MC4EV02 or MC4Compatible		
Frame	Anodized Aluminium Alloy		
Junction Box	IP68		

## TECHNICAL DRAWINGS



## ELECTRICAL PARAMETERS

Testing Condition			STC	NMOT								
Maximum Power	P <sub>mp</sub>	[W]	400	297	405	301	410	308	415	312	420	316
Operating Voltage	V <sub>mp</sub>	[V]	30.80	28.89	31.00	29.08	31.20	29.59	31.40	29.78	31.60	29.97
Operating Current	I <sub>mp</sub>	[A]	13.01	10.30	13.08	10.36	13.15	10.42	13.22	10.48	13.30	10.54
Open-Circuit Voltage	V <sub>oc</sub>	[V]	37.80	35.50	38.00	35.69	38.20	35.88	38.40	36.06	38.60	36.24
Short-Circuit Current	I <sub>sc</sub>	[A]	13.51	10.94	13.56	11.00	13.61	11.04	13.66	11.09	13.71	11.14
Module Efficiency	η	[%]	20.48		20.74		21.00		21.25		21.50	

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

## OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

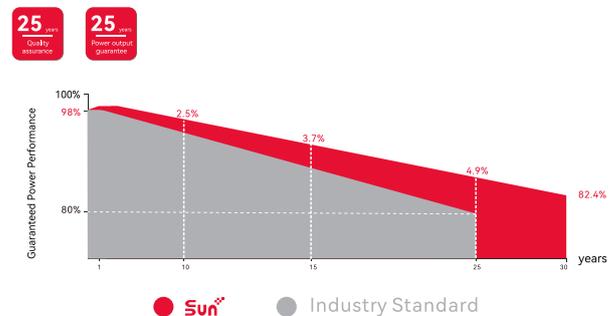
Temperature Coefficient P <sub>max</sub>	-0.36%/°C
Temperature Coefficient V <sub>oc</sub>	-0.26%/°C
Temperature Coefficient I <sub>sc</sub>	+0.043%/°C
NMOT	43±2°C

## PACKAGING INFORMATION



Vertical packaging	70.86in 1800mm	47.24in 1200mm	43.30in 1100mm	1816lbs 824 kg	34 pallets	26 pallets	36 modules
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## LINEAR PERFORMANCE WARRANTY



[1] Specifications included in this datasheet are subject to change without notice. SUNPLUS reserves the right of final interpretation. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

[2] Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.