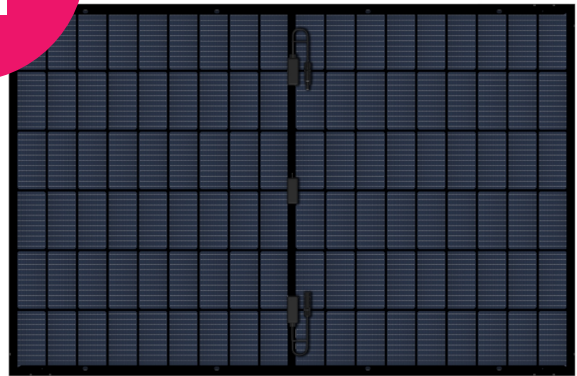
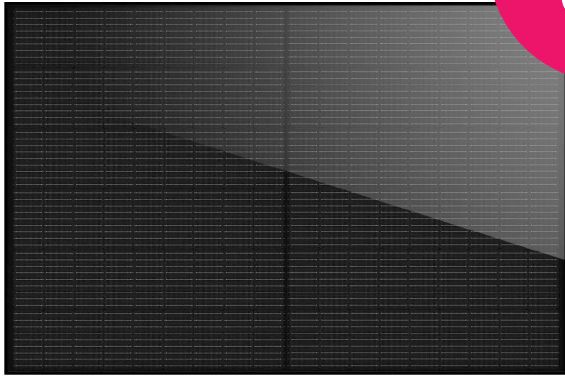




# SR4-54HTD 405-425M

MAXIMUM EFFICIENCY %	POSITIVE POWER TOLERANCE WP	CELLS	MODULE TECHNOLOGY
<b>21.76</b>	<b>0~+5.00</b>	<b>M10 108</b>	<b>HALF CUT &amp; MICRO GAP DESIGN</b> WITH IMPROVED SHADE TOLERANCE

**N-Type Cell**



### 10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation



### A reliable investment

Inclusive 25-year product warranty and 30-year linear performance warranty



### Enduring high performance

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



### Innovative all-weather technology

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



Frame Color



Mesh Color



Leader of N-type bifacial supplier  
 Full-automatic facility and industry-leading technology  
 Best-in-class durability and reliability  
 BNEF Tier One Bill of Materials

### The ideal solution for:

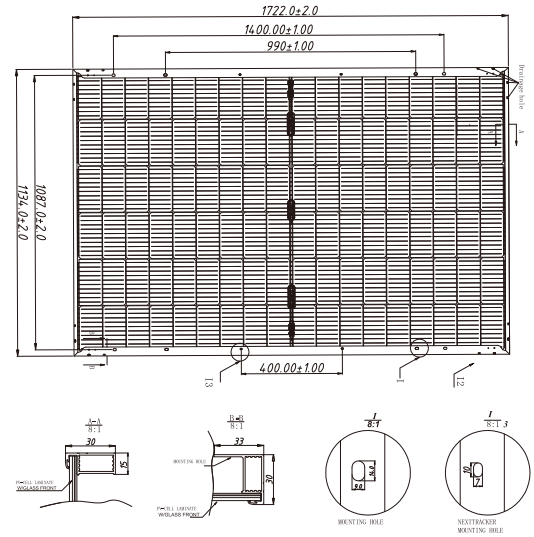


Rooftop arrays on residential buildings

## MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	182x182mm
Cell Arrangement	108 (6x18)
Weight	25.5kg (56.22lbs)
Module Dimensions	1722x1134x30mm (67.80x44.65x1.18inches)
Cable Length	300mm in Length or Customized Length
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12AWG(UL)
Front / Rear Glass	2.0/2.0mm heat strengthened glass
Packing Configuration	30pcs/carton, 780pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible

## TECHNICAL DRAWINGS



## ELECTRICAL PARAMETERS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	405	307	410	311	415	315	420	318	425	322
Operating Voltage (Vmpp/V)	31.3	29.4	31.5	29.6	31.7	29.8	31.9	30.0	32.1	30.2
Operating Current (Imp/A)	12.95	10.44	13.02	10.50	13.10	10.56	13.17	10.62	13.24	10.67
Open-Circuit Voltage (Voc/V)	37.3	35.7	37.5	35.8	37.7	36.0	37.9	36.2	38.1	36.4
Short-Circuit Current (Isc/A)	13.75	11.09	13.82	11.14	13.91	11.22	13.98	11.27	14.05	11.33
Module Efficiency ηm(%)	20.74		21.00		21.25		21.51		21.76	

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

## REAR SIDE POWER GAIN(REFERENCE TO 415W FRONT)

Pmax gain	10%	15%	20%	25%	30%
Pmax/W	448	465	481	498	515
Vmpp/V	31.7	31.7	31.7	31.7	31.8
Imp/A	14.13	14.65	15.17	15.69	16.20
Voc/V	37.70	37.7	37.7	37.7	37.8
Isc/A	14.99	15.54	16.08	16.62	17.16

## OPERATING CONDITIONS

Maximum System Voltage	1500V DC(IEC/UL)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Max. Test Load	Snow Loading: 5400Pa/ Wind Loading: 4000Pa
Bifaciality	80±5%
Safety Class	II
Hailstone Test	25mm Hailstone at speed of 23m/s

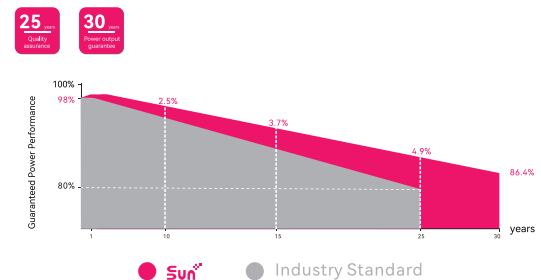
## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.340%/°C
Temperature Coefficient Voc	-0.265%/°C
Temperature Coefficient Isc	+0.050%/°C
NMOT	43±2°C

## PACKAGING INFORMATION

Horizontal packaging	70.08in 1780mm	46.45in 1180mm	47.24in 1200mm	1730lbs 785kg	32 pallets	26 pallets	30 modules

## PERFORMANCE WARRANTY



Specifications included in this datasheet are subject to change without notice. SUNPLUS reserves the right of final interpretation.

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