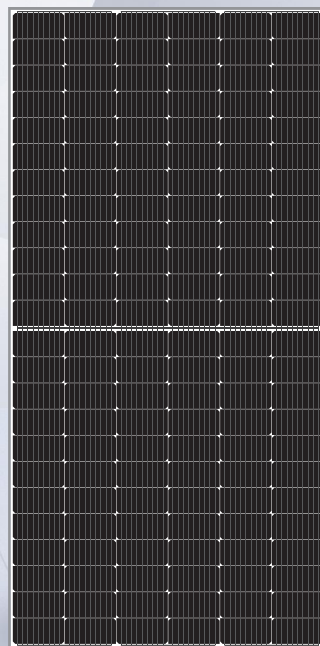


# Mono Half Cut

## Monofacial 540~555W

SN(540~555W)-144M **9BB** >

**Mono MBB** per large size half cut module



### KEY FEATURES



#### M10 wafer MBB half cut technology

Large-size cells increase the effective generation area, less current transfer distance & resistance, improve generation efficiency



#### High efficiency cells & high module yield guarantee

Adopt latest A grade high efficiency MBB cells, increase power generation & the rate of return on investment



#### Special cells strings array layout

Effectively reduce the working temperature & current, improve low-light generation and shadow performance



#### Optimized module size & weight

Excellent industry size compatibility, suitable for ultra power plant & commercial projects, effectively reducing LCOE & transportation costs



#### Stable generation capacity and power loss guarantee

0~+5W power output guarantee, 1st year power degradation  $\leq 2\%$ , 2nd year to 25th year power degradation  $\leq 0.6\%$



#### Excellent environmental adaptability and anti-aging ability

Excellent anti-PID, sand-dust, salt-mist & ammonia resistance ability; 2400Pa wind load & 5400Pa snow load approved

### CERTIFICATION

IEC61215 | IEC61730 | IEC 61701 | CE | INMETRO

ISO 9001

2015 Quality Management System

ISO 14001

2015 Environmental Management System

ISO45001

2018 Occupational Health and Safety Management System



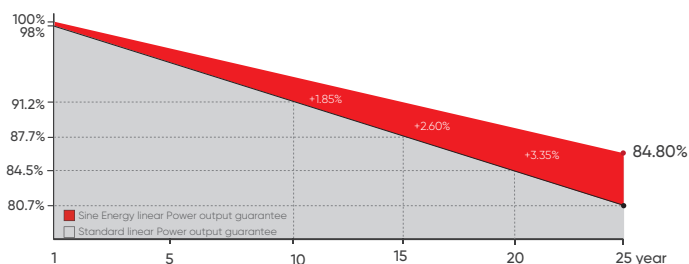
### INDUSTRY LEADING WARRANTY

**12 years**

Guarantee on product material and workmanship

**25 years**

Linear power output warranty



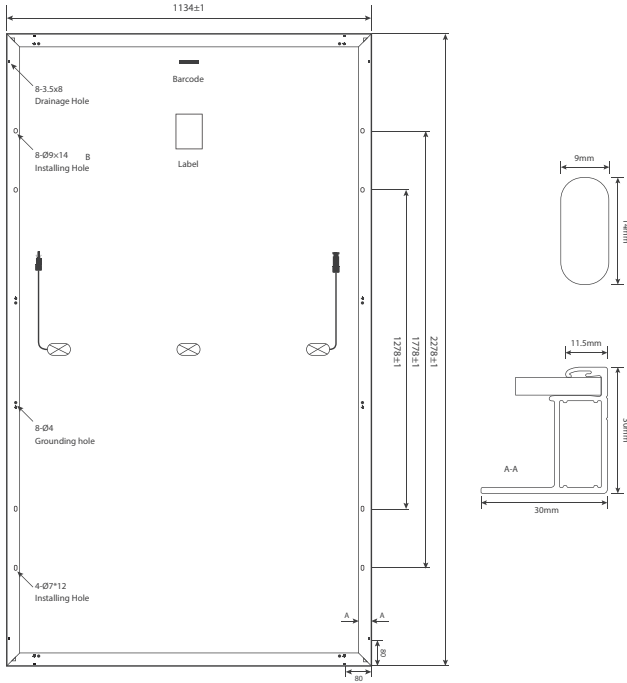
# SN(540~555W)-144M

Weight  
**26.5kg**

Number of Cells  
**144pcs(24×6)**

Module Size  
**2278×1134×30mm**

Packing  
**36pcs/pallet, 720pcs/40HQ**



## MECHANICAL SPECIFICATIONS

Solar Cell Type	182×91mm
Glass	3.2mm tempered, high transmissiion ART coating
Back Sheet	White KPF
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP68
No. of Diodes	3pcs
Output Cable	4.0mm <sup>2</sup> 400/400mm (custmized available)
Connector	MC4 Compatible (MC4 Original optional)
Wind/Snow Load	2400pa/5400pa

## TEMPERATURE COEFFICIENT

Nominal Operating Cell Temp(NOCT)	44±2 C
Temperature Coefficient of ISC	0.060% C
Temperature Coefficient of VOC	-0.30% C
Temperature Coefficient of Pmax	-0.39% C
Operational Temperature	-40~85 C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A

## ELECTRICAL SPECIFICATION (STC)

	540W	545W	550W	555W
Maximum Power -Pmax(W)	540W	545W	550W	555W
Maximum Power Voltage-Vmp(V)	41.03V	41.18V	41.33V	41.48V
Maximum Power Current-Imp(A)	13.17A	13.23A	13.31A	13.38A
Open Circuit Voltage -Voc(V)	49.53V	49.68V	49.83V	49.98V
Short Circuit Current-Isc(A)	13.63A	13.71A	13.79A	13.87A
Module Efficiency(STC) -ηm(%)	20.90%	21.09%	21.29%	21.48%
Power output tolerance(W)	0~+5W			

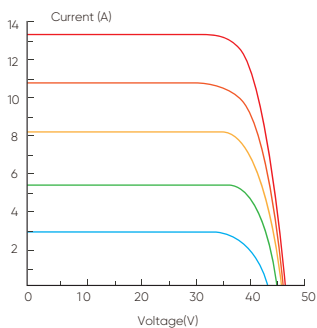
STC:Irradiance:1000W/m<sup>2</sup>, Module Temperature:25°C,Air Mass:1.5

## Electrical Specification (NOCT)

	404W	408W	391W	416W
Maximum Power -Pmax(W)	404W	408W	391W	416W
Maximum Power Voltage-Vmp(V)	37.79V	37.94V	38.09V	38.24V
Maximum Power Current-Imp(A)	10.70A	10.77A	10.84A	10.91A
Open Circuit Voltage -Voc(V)	45.56V	45.71V	45.86V	46.01V
Short Circuit Current-Isc(A)	11.37A	11.44A	11.52A	11.59A

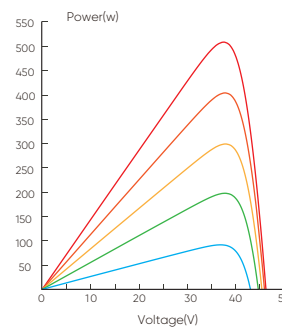
NOCT:Irradiance:800W/m<sup>2</sup>, Ambient Temperature:20°C,Air Mass:1.5,Wind Speed:1m/s

## I-V Curve



Current-Voltage Curve(545W)

- 1000W/m<sup>2</sup>
- 800W/m<sup>2</sup>
- 600W/m<sup>2</sup>
- 400W/m<sup>2</sup>
- 200W/m<sup>2</sup>



Power-Voltage Curve(545W)

- 1000W/m<sup>2</sup>
- 800W/m<sup>2</sup>
- 600W/m<sup>2</sup>
- 400W/m<sup>2</sup>
- 200W/m<sup>2</sup>