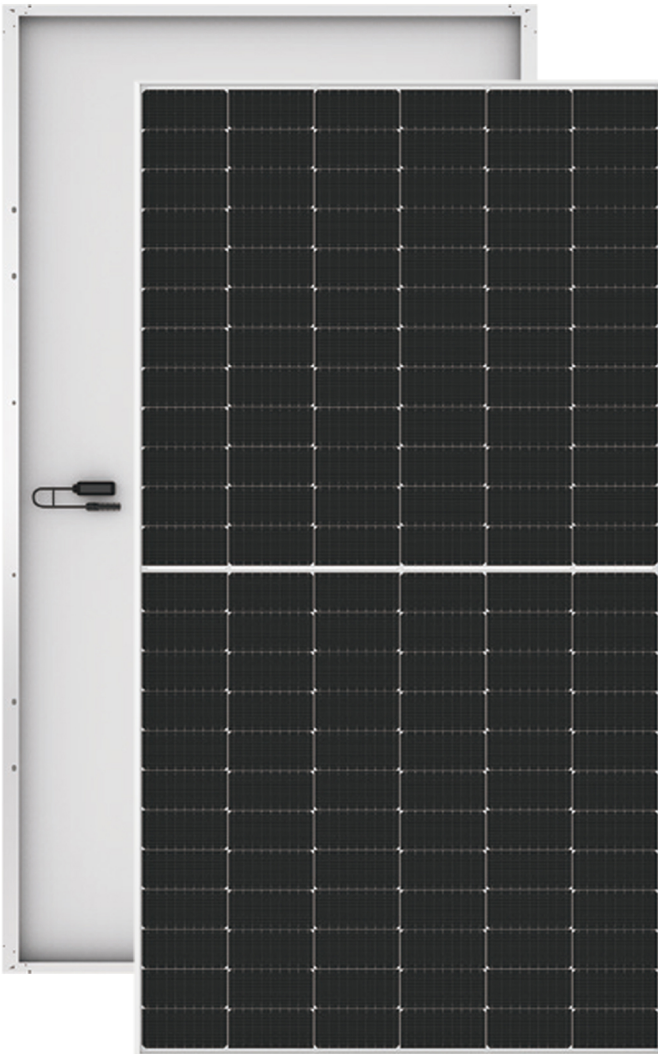


**LUX5 STM560-72M-T8** PERC

**540-560W**



Excellent low-light power generation effect, ensuring continuous output in cloudy, shading conditions.



Whole process of manufacturing adheres to the green concept, fluorine-free and low-lead.



Minimized micro-cracks with innovative non-destructive cutting Technology.

**PID**

Selection of packaging materials with excellent sealing  
More advanced cell processing technology to reduce doping to ensure highly PID resistance.



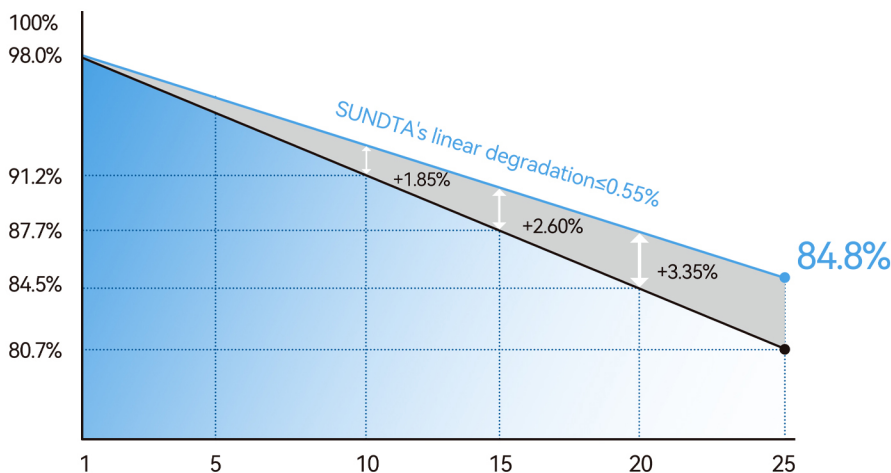
Sand blowing test, salt mist test and ammonia test passed to adapt with harsh environments

**Complete System and Product Certifications**

IEC61215/IEC61730/IEC61701/IEC62716/UL61730  
ISO 9001: Quality Management System  
ISO 14001: Environmental Management System  
ISO14064: Greenhouse Gases Emissions Verification  
ISO45001: Occupational Health and Safety Management System



Mechanical performance up to 5400 Pa positive load and 2400 Pa. Negative load.



15 Years Warranty for Materials and Processing



25 Years Warranty for Extra Linear Power Output

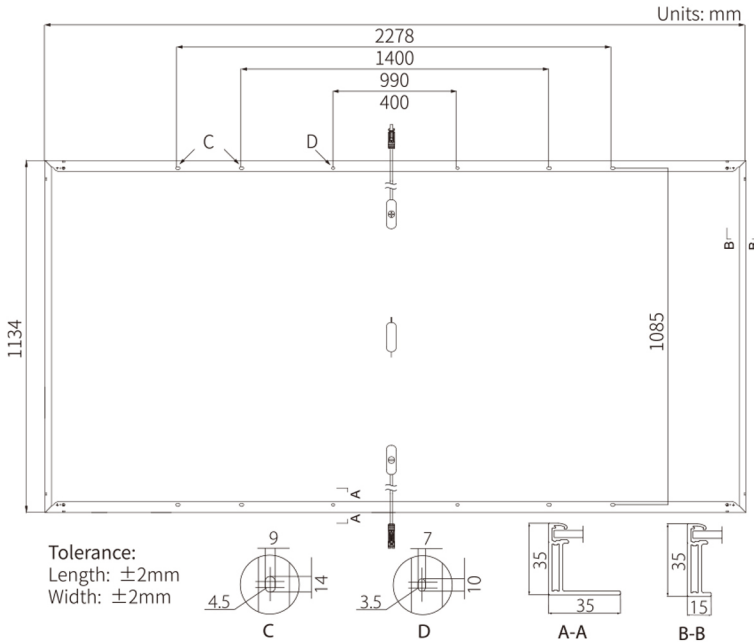
**21.7%**  
Max Efficiency

**0-3%**  
Power Tolerance

**2278x1134x35mm**  
Dimension

**27.5kg**  
Weight

**PERC Half-cell**



## Mechanical Characteristics

Cell Orientation	144 (6x24)
Dimension	2278x1134x35mm
Weight	27.5kg
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , +400, -200mm/±1400mm Length can be customized
Packaging	31pcs/pallet, 620pcs/40'HQ

## Electrical Data (STC)

Maximum Power(Pmax)	540W	545W	550W	555W	560W
Maximum Power Voltage(Vmp)	41.65V	41.80V	41.95V	42.10V	42.25V
Maximum Power Current(Imp)	12.97A	13.04A	13.12A	13.19A	13.26A
Open-circuit Voltage(Voc)	49.50V	49.65V	49.80V	49.95V	50.10V
Short-circuit Current(Isc)	13.85A	13.92A	13.98A	14.04A	14.10A
Module Efficiency(%)	20.90%	21.10%	21.30%	21.50%	21.70%

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

## Electrical Data (NOCT)

Maximum Power(Pmax)	403.6W	407.4W	411.1W	414.8W	418.6W
Maximum Power Voltage(Vmp)	41.65V	38.83V	38.97V	39.11V	39.25V
Maximum Power Current(Imp)	12.97A	10.49A	10.56A	10.61A	10.67A
Open-circuit Voltage(Voc)	49.50V	46.68V	46.82V	46.97V	47.11V
Short-circuit Current(Isc)	13.85A	11.25A	11.31A	11.35A	11.40A
Module Efficiency(%)	20.90%	21.10%	21.30%	21.50%	21.70%

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

## Temperature Ratings(STC)

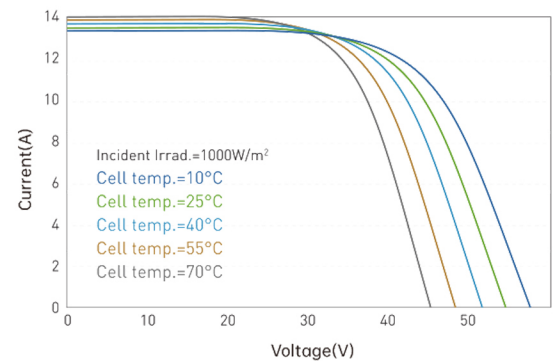
Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.265%/°C
Temperature Coefficient of Pmax	-0.340%/°C
NOCT (Nominal operating cell temperature)	45±2°C

## Operating Parameters

Operating temperature(°C)	-40°C~+85°C
Maximum system voltage	DC1500V(IEC/UL)
Maximum series fuse rating	25A
Power tolerance	0-3%

## Curve

I-V Curve at different Temperature (560W)



I-V/P-V Curve at different Irradiation (560W)

