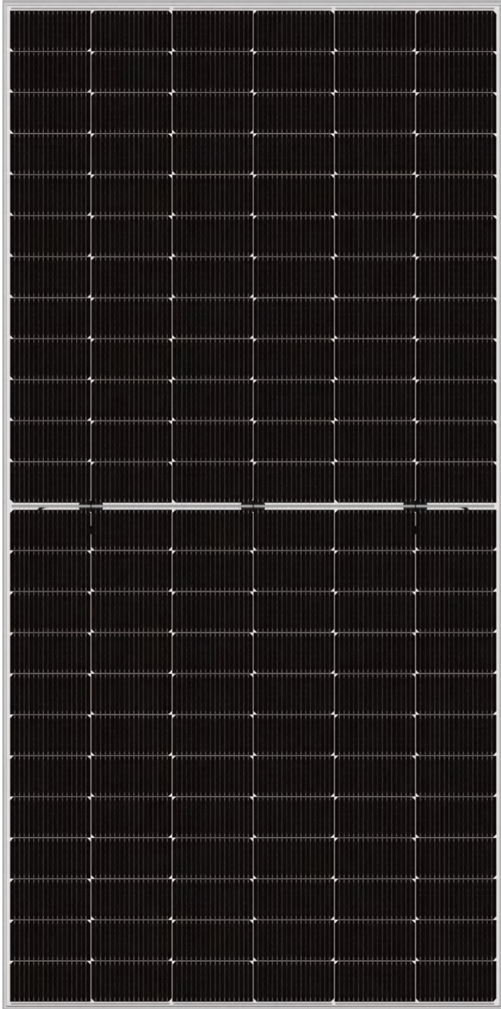


LUX7 STM585-72M-T8NS TOPCon

580-595W



N type topcon cells make extremely low power losses and prevent phenomena LID&LETID.



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.



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



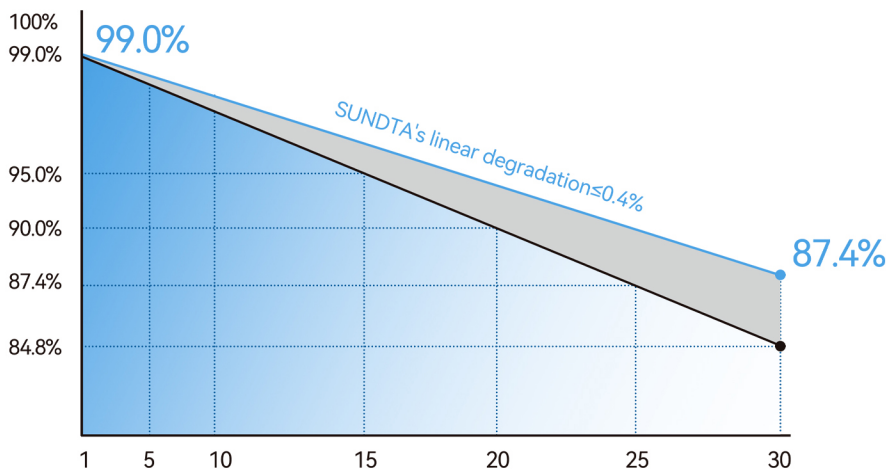
Sand blowing test, salt mist test and ammonia test passed to adapt with harsh environments



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

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

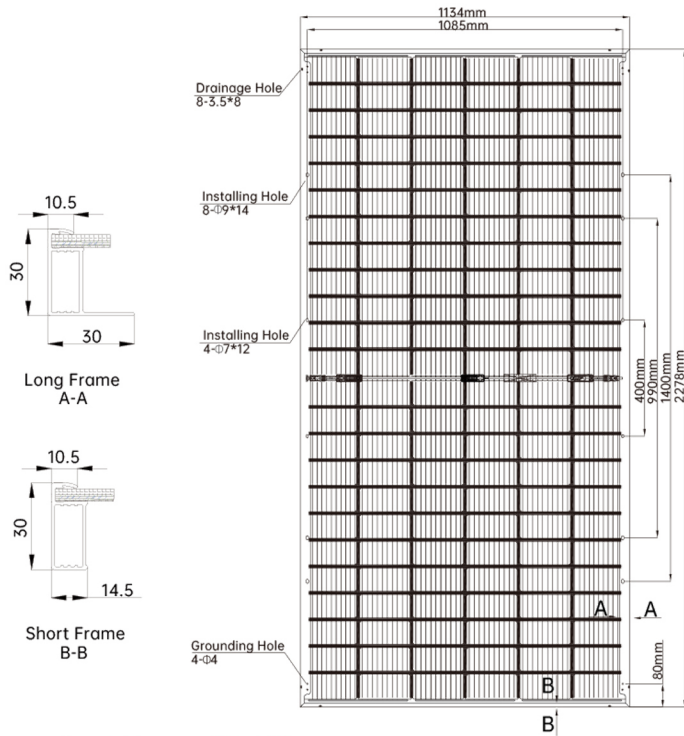


15 Years Warranty for Materials and Processing



30 Years Warranty for Extra Linear Power Output

23.08% Max Efficiency	0-3% Power Tolerance	2278x1134x30mm Dimension	31.3kg Weight	N-type TOPCon
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Mechanical Characteristics

Cell Orientation	144 (6x24)
Dimension	2278x1134x30mm
Weight	31.3kg
Glass	Front Glass:2.0mm High transparency solar glass Back Glass:2.0mm High transparency solar glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68,three diodes
Output Cable	4mm ² , Portrait 300mm/Landscape
Packaging	36pcs/pallet, 720pcs/40'HQ

Electrical Data (STC)

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	580W	436.6W	585W	440.3W	590W	444W	595W	447.7W
Maximum Power Voltage(Vmp)	43.75V	41.11V	43.94V	41.30V	44.13V	41.49V	44.32V	41.68V
Maximum Power Current(Imp)	13.26A	10.62A	13.31A	10.66A	13.36A	10.70A	13.41A	10.74A
Open-circuit Voltage(Voc)	51.90V	49.30V	52.05V	49.45V	52.20V	49.60V	52.35V	49.75V
Short-circuit Current(Isc)	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A	14.19A	11.46A
Module Efficiency(%)	22.50%		22.70%		22.89%		23.08%	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

Electrical Characteristics with Different Power Ranges

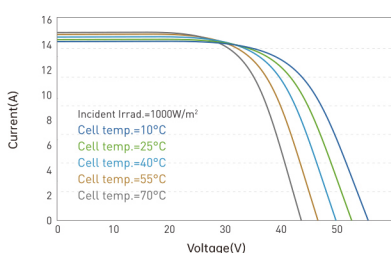
Reference to 575W Front

	5%	10%	20%
Maximum Power Gain(Pmax gain)	5%	10%	20%
Maximum Power(Pmax)	604W	633W	690W
Maximum Power Voltage(Vmp)	42.90V	42.90V	42.90V
Maximum Power Current(Imp)	14.08A	14.75A	16.09A
Open-circuit Voltage(Voc)	52.00V	52.00V	52.00V
Short-circuit Current(Isc)	14.57A	15.27A	16.66A

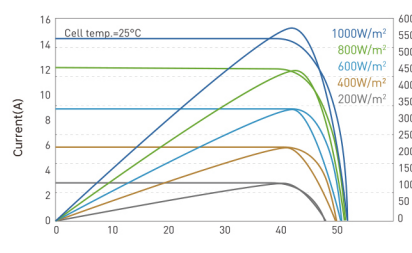
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Curve

I-V Curve at different Temperature (580W)



I-V/P-V Curve at different Irradiation (580W)



Temperature Ratings(STC)

Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.290%/°C
Temperature Coefficient of Pmax	-0.250%/°C
NOCT (Nominal operating cell temperature)	45±2°C

Operating Parameters

Operating temperature(°C)	-40°C~+85°C
Maximum system voltage	1500V DC(IEC)
Maximum series fuse rating	25A
Power tolerance	0-3%