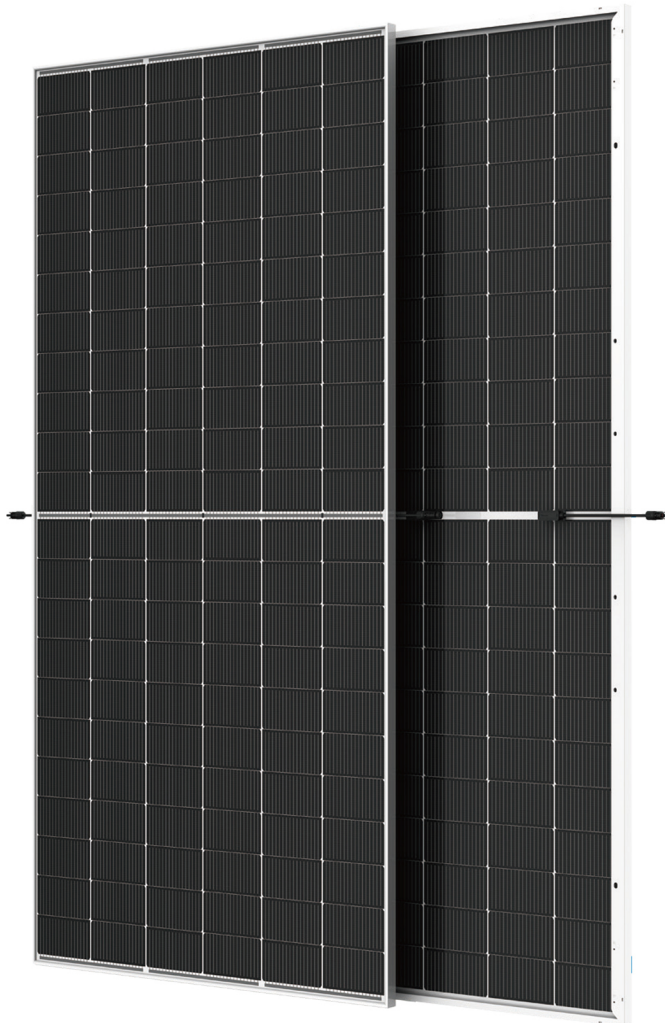


LUX7 STM630-72M-T12NS TOPCon

600-630W



N

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.

PID

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



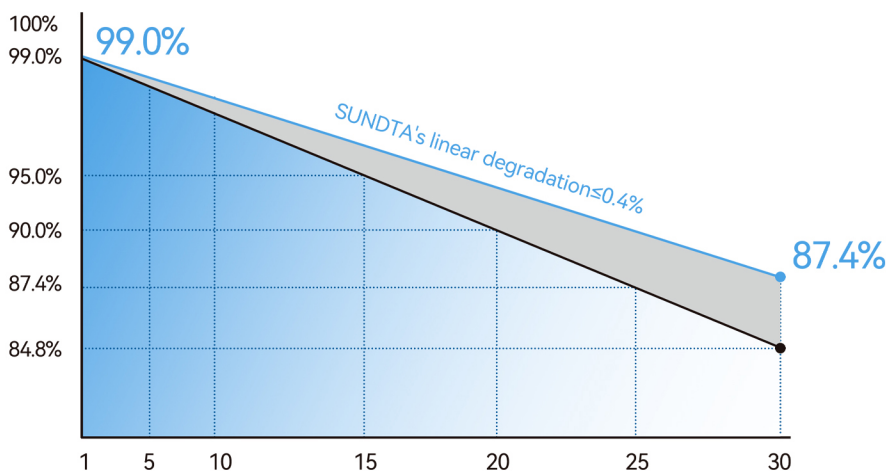
Sand blowing test, salt mist test and ammonia test passed to adapt with harsh environments



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

23.32%

Max Efficiency

0-5W

Power Tolerance

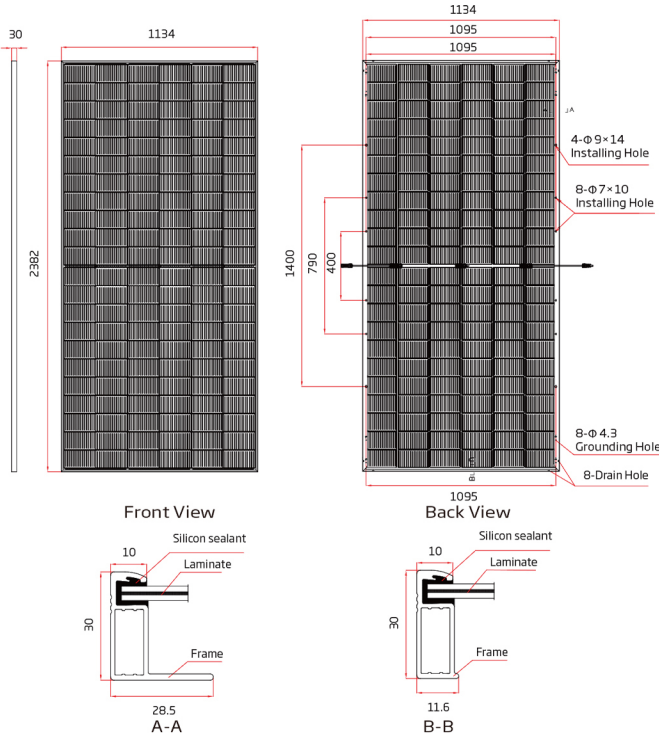
2382x1134x30mm

Dimension

33.7kg

Weight

N-type TOPCon



Mechanical Characteristics

Cell Orientation	132 cells
Dimension	2382x1134x30mm
Weight	33.7kg
Glass	Front Glass:2.0mm High Transmission,AR Coated Heat Strengthened Glass Back Glass:2.0mm Heat Heat Strengthened Glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68,three diodes
Output Cable	4mm², Portrait 350/280mm,Length can be customized
Packaging	36pcs/pallet, 720pcs/40'HQ

Electrical Data (STC)

	STC	STC	STC	STC	STC	STC	STC
Maximum Power(Pmax)	600W	605W	610W	615W	620W	625W	630W
Maximum Power Voltage(Vmp)	40.30V	40.50V	40.80V	41.10V	41.40V	41.70V	42.00V
Maximum Power Current(Imp)	14.91A	14.94A	14.96A	14.98A	14.99A	15.01A	15.03A
Open-circuit Voltage(Voc)	48.40V	48.70V	49.00V	49.30V	49.60V	49.90V	50.20V
Short-circuit Current(Isc)	15.80A	15.83A	15.86A	15.89A	15.91A	15.93A	15.95A
Module Efficiency(%)	22.20%	22.40%	22.60%	22.80%	23.00%	23.13%	23.32%

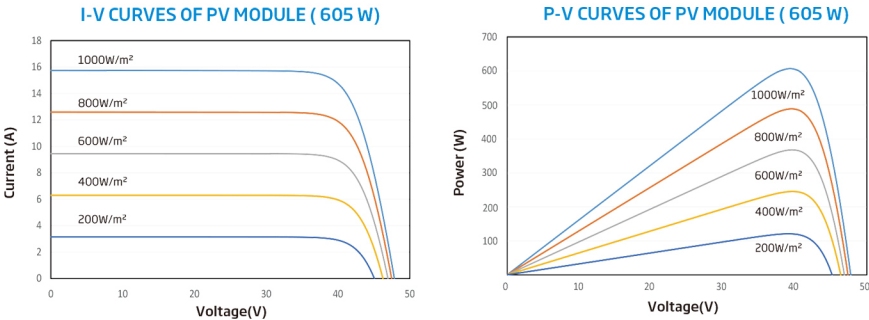
STC: Irridance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.

Electrical characteristics with different power bin (reference to 5%&10% backside power gain)

Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Total Equivalent power-Pmax(Wp)	630W	660W	635W	666W	641W	671W	646W	677W	651W	682W	656W	688W	661W	694W
Maximum Power Voltage-Vmpp(V)	40.30V	40.30V	40.50V	40.50V	40.80V	40.80V	41.10V	41.10V	41.40V	41.40V	41.70V	41.70V	42.00V	42.00V
Maximum Power Current-Imp(A)	15.66A	16.40A	15.69A	16.43A	15.71A	16.46A	15.73A	16.48A	15.74A	16.49A	15.76A	16.51A	15.78A	16.53A
Open Circuit Voltage-Voc(V)	48.40V	48.40V	48.70V	48.70V	49.00V	49.00V	49.30V	49.30V	49.60V	49.60V	49.90V	49.90V	50.20V	50.20V
Short Circuit Current-Isc(A)	16.59A	17.38A	16.62A	17.41A	16.65A	17.45A	16.68A	17.48A	16.71A	17.50A	16.74A	17.52A	16.77A	17.54A

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

Curve



Temperature Ratings(STC)

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Pmax	-0.290%/°C
NOCT (Nominal operating cell temperature)	43±2°C

Operating Parameters

Operating temperature(°C)	-40°C~+85°C
Maximum system voltage	1500V DC(IEC/UL)
Maximum series fuse rating	35A
Power tolerance	0-5W