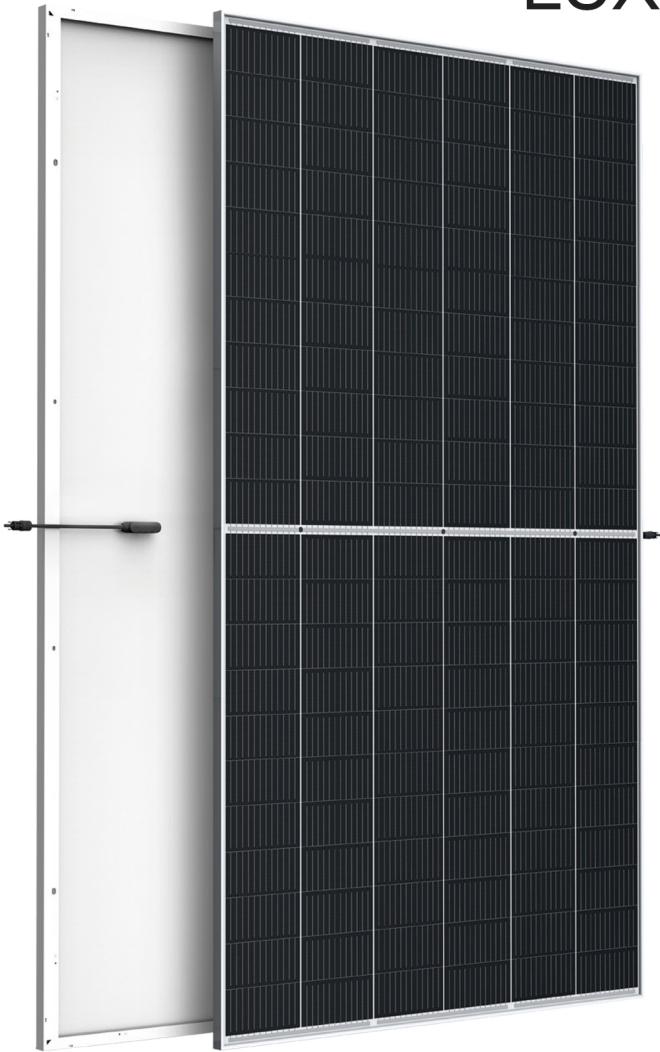


LUX6 STM670-66M-T12 **PERC**

**650-670W**



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.



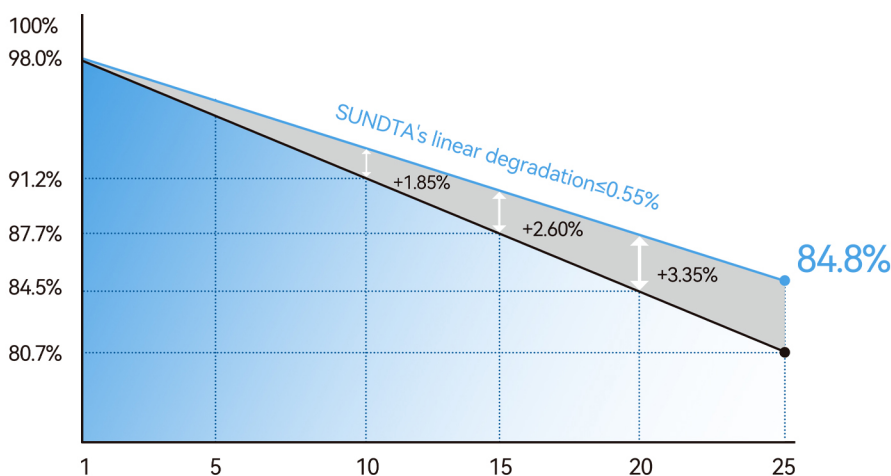
Sand blowing test, salt mist test and ammonia test passed to adapt with harsh environments



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

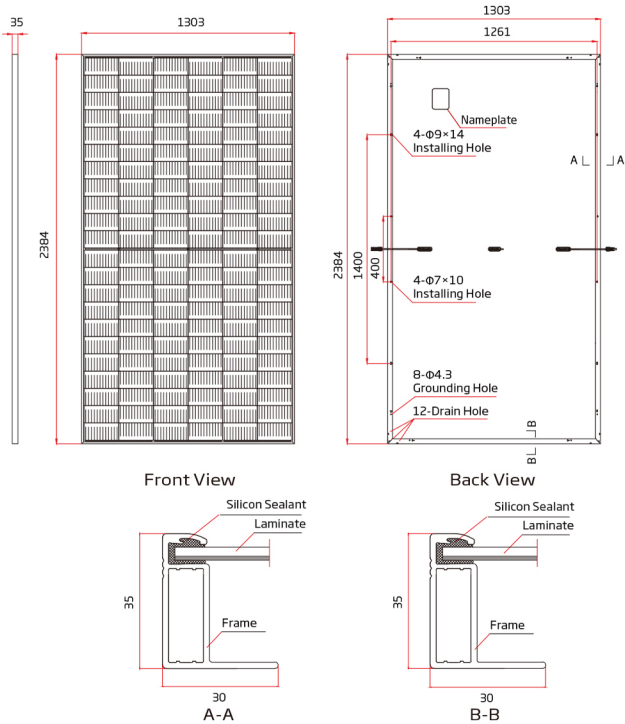


15 Years Warranty for Materials and Processing



25 Years Warranty for Extra Linear Power Output

<b>21.6%</b> Max Efficiency	<b>0-5W</b> Power Tolerance	<b>2384x1303x35mm</b> Dimension	<b>33.6kg</b> Weight	<b>PERC Half-cell</b>
--------------------------------	--------------------------------	------------------------------------	-------------------------	-----------------------



## Mechanical Characteristics

Cell Orientation	132 cells
Dimension	2384x1303x35mm
Weight	33.6kg
Glass	3.2mm High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , 280/280mm Length can be customized
Packaging	31pcs/pallet, 558pcs/40'HQ

## Electrical Data (STC)

Maximum Power(Pmax)	650W	655W	660W	665W	670W
Maximum Power Voltage(Vmp)	37.40V	37.60V	37.80V	38.00V	38.20V
Maximum Power Current(Imp)	17.39A	17.43A	17.47A	17.51A	17.55A
Open-circuit Voltage(Voc)	45.30V	45.50V	45.70V	45.90V	46.10V
Short-circuit Current(Isc)	18.44A	18.48A	18.53A	18.57A	18.62A
Module Efficiency(%)	20.90%	21.10%	21.20%	21.40%	21.60%

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

## Electrical Data (NOCT)

Maximum Power(Pmax)	492W	496W	500W	504W	508W
Maximum Power Voltage(Vmp)	34.90V	35.10V	35.30V	35.40V	35.60V
Maximum Power Current(Imp)	14.09A	14.13A	14.17A	14.22A	14.26A
Open-circuit Voltage(Voc)	42.70V	42.90V	43.00V	43.20V	43.40V
Short-circuit Current(Isc)	14.86A	14.89A	14.93A	14.96A	15.01A
Module Efficiency(%)	20.90%	21.10%	21.20%	21.40%	21.60%

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

## Temperature Ratings(STC)

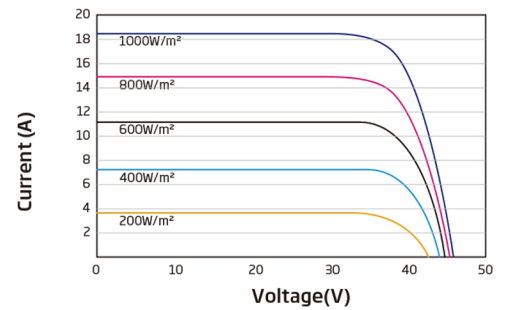
Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.340%/°C
NOCT (Nominal operating cell temperature)	43±2°C

## Operating Parameters

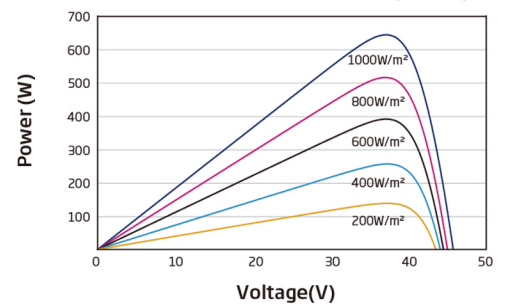
Operating temperature(°C)	-40°C~+85°C
Maximum system voltage	1500V DC(IEC/UL)
Maximum series fuse rating	30A
Power tolerance	0-5W

## Curve

### I-V CURVES OF PV MODULE(650 W)



### P-V CURVES OF PV MODULE(650W)



### I-V CURVES OF PV MODULE(650 W)

