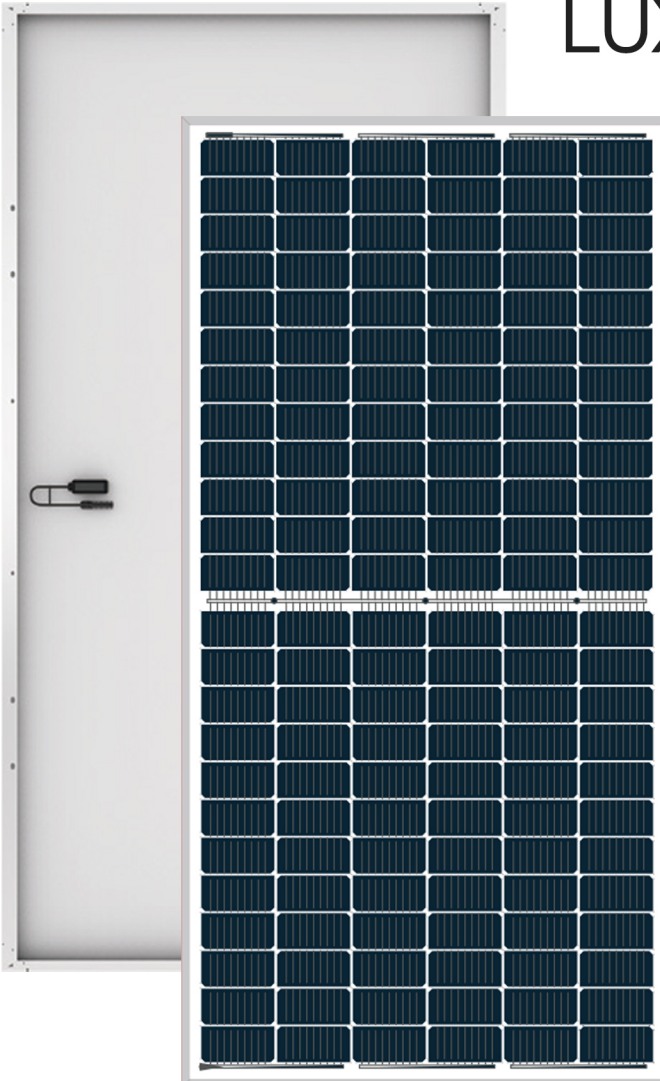


LUX4

LUX4 STM455-72M-T6 PERC

430-455W



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.



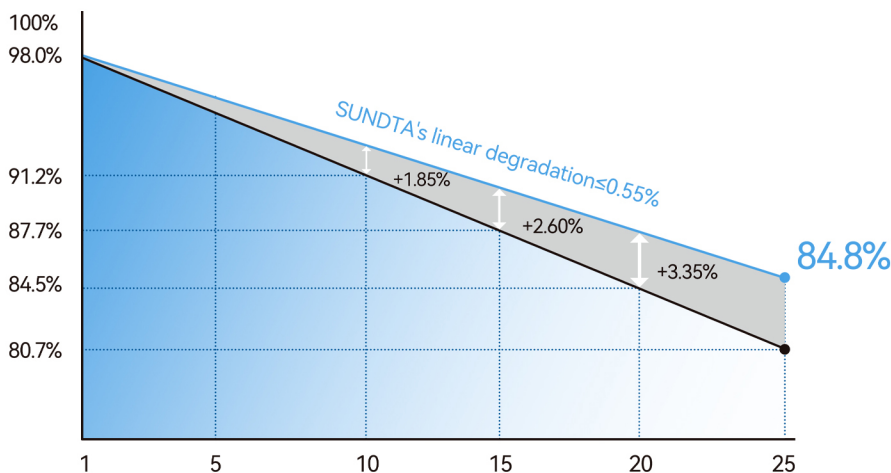
Sand blowing test, salt mist test and ammonia test passed to adapt with harsh environments



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

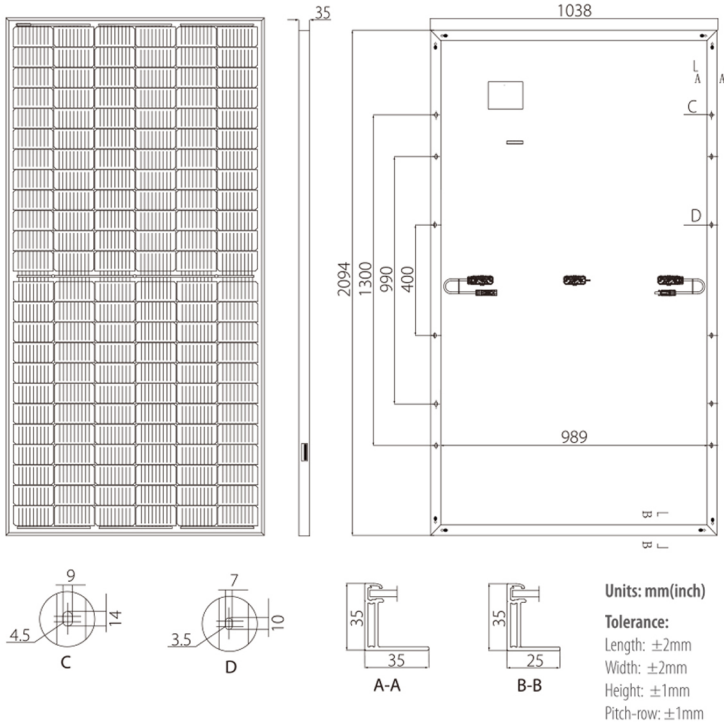


15 Years Warranty for Materials and Processing



25 Years Warranty for Extra Linear Power Output

20.90% Max Efficiency	0-5W Power Tolerance	2094x1038x35mm Dimension	23.5kg Weight	PERC Half-cell
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Mechanical Characteristics

Cell Orientation	144 (6x24)
Dimension	2094x1038x35mm
Weight	23.5kg
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Packaging	30pcs/pallet, 660pcs/40'HQ

Electrical Data (STC)

	430W	435W	440W	445W	450W	455W
Maximum Power(Pmax)	430W	435W	440W	445W	450W	455W
Maximum Power Voltage(Vmp)	40.70V	40.90V	41.10V	41.30V	41.50V	41.70V
Maximum Power Current(Imp)	10.57A	10.64A	10.71A	10.78A	10.85A	10.92A
Open-circuit Voltage(Voc)	48.50V	48.70V	48.90V	49.10V	49.30V	49.50V
Short-circuit Current(Isc)	11.31A	11.39A	11.46A	11.53A	11.60A	11.66A
Module Efficiency(%)	19.80%	20.00%	20.20%	20.50%	20.70%	20.90%

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

Electrical Data (NOCT)

	321.1W	324.9W	328.6W	332.3W	336.1W	339.8W
Maximum Power(Pmax)	321.1W	324.9W	328.6W	332.3W	336.1W	339.8W
Maximum Power Voltage(Vmp)	37.90V	38.10V	38.30V	38.50V	38.60V	38.80V
Maximum Power Current(Imp)	8.47A	8.53A	8.59A	8.64A	8.70A	8.75A
Open-circuit Voltage(Voc)	45.50V	45.70V	45.80V	46.00V	46.20V	46.40V
Short-circuit Current(Isc)	9.15A	9.21A	9.27A	9.33A	9.38A	9.43A
Module Efficiency(%)	19.80%	20.00%	20.20%	20.50%	20.70%	20.90%

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

Temperature Ratings(STC)

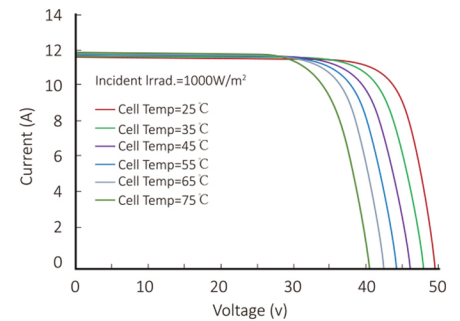
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C
NOCT (Nominal operating cell temperature)	45±2°C

Operating Parameters

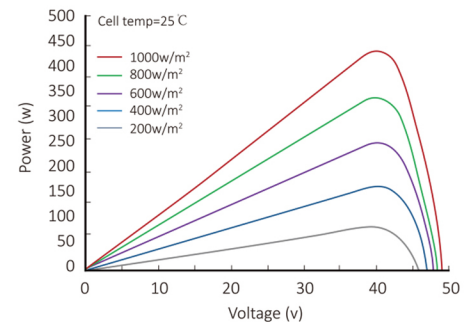
Operating temperature(°C)	-40°C~+85°C
Maximum system voltage	DC1500V(IEC/UL)
Maximum series fuse rating	20A
Power tolerance	0-5W

Curve

Current-Voltage Curve (LR4-72HPH-440M)



Power-Voltage Curve (LR4-72HPH-440M)



Current-Voltage Curve (LR4-72HPH-440M)

