

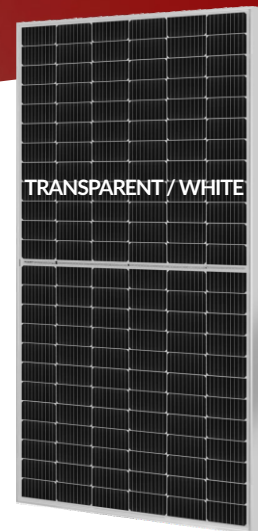
# SERIES 4

## 430-450W Mono Transparent Backsheet

### M6/166mm Cell . 144 Half-Cell Layout



Assembled with the M6 wafer based high efficiency cells, Series 4 solar modules feature the innovative twin-panel design and the advanced technologies of half-cut cell, 9 busbars and round wire ribbon interconnection, reducing the hot spot risk and shading effect, increasing the power output and resulting in higher reliability and performance than conventional modules.



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance



Less Hot Spot  
Shading Effects

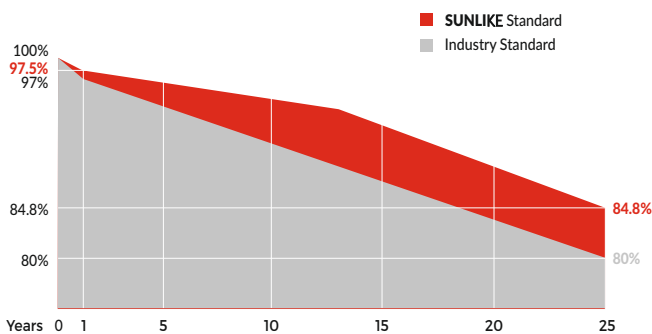


Low Power  
Temperature Coefficient



Lower BOS & LCOE

### Linear performance Warranty



### Comprehensive Certificates

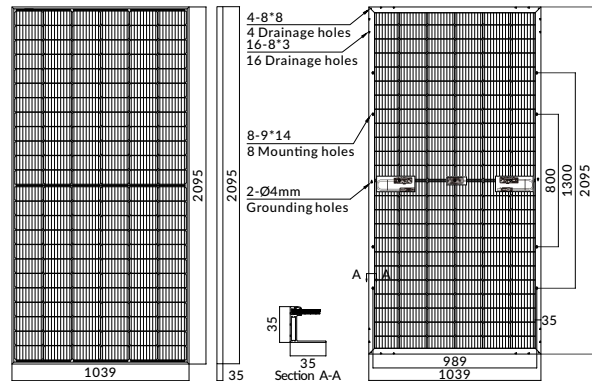
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



# Mono I 430 - 450W TRANSPARENT BACKSHEET

## MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2095 x 1039 x 35mm
Weight	23.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm <sup>2</sup> 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



## ELECTRICAL PARAMETERS

POWER CLASS	LNSU-430M	LNSU-435M	LNSU-440M	LNSU-445M	LNSU-450M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	430W	435W	440W	445W	450W
Open Circuit Voltage (Voc)	49.20V	49.40V	49.60V	49.79V	49.98V
Short Circuit Current (Isc)	11.30A	11.36A	11.42A	11.48A	11.54A
Voltage at Maximum power (Vmpp)	40.60V	40.81V	41.01V	41.20V	41.40V
Current Maximum Power (Impp)	10.59A	10.66A	10.73A	10.80A	10.87A
MODULE EFFICIENCY (%)	19.75%	19.98%	20.21%	20.44%	20.67%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

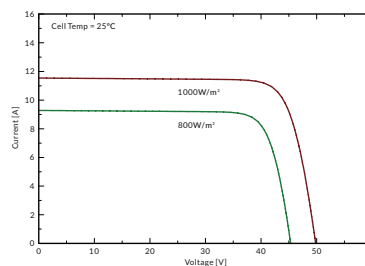
## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNSU-430M	LNSU-435M	LNSU-440M	LNSU-445M	LNSU-450M
5%	Maximum power (Pmax)	452W	457W	462W	467W	473W
	Module Efficiency STC (%)	20.74%	20.98%	21.22%	21.47%	21.71%
15%	Maximum power (Pmax)	495W	500W	506W	512W	518W
	Module Efficiency STC (%)	22.72%	22.98%	23.25%	23.51%	23.77%
25%	Maximum Power (Pmax)	538W	544W	550W	556W	563W
	Module Efficiency STC (%)	24.69%	24.98%	25.27%	25.55%	25.84%

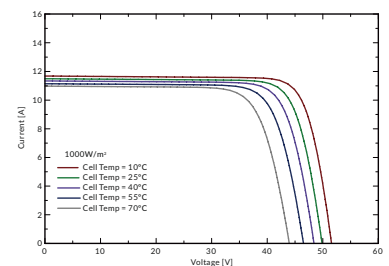
## PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

## I-V CURVE



## LNSU-450M/I-V



## OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W

## TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. SUNLIKE SOLAR have the sole right to make such modification at anytime without further notice.