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# EnergyPal

## **Solar Panel Guide Specification Data Sheet**

**Luxen Solar Energy Co., Ltd.**

**LNSF-345-355M**

**LNSF-355M**

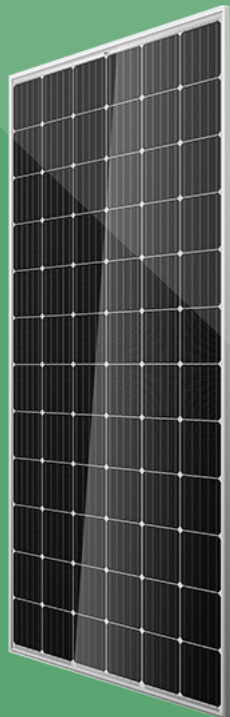
Also available on the web at  
[EnergyPal.com/luxen-solar-energy-co-ltd-solar-panels/lnsf-355m](http://EnergyPal.com/luxen-solar-energy-co-ltd-solar-panels/lnsf-355m)

LUXEN

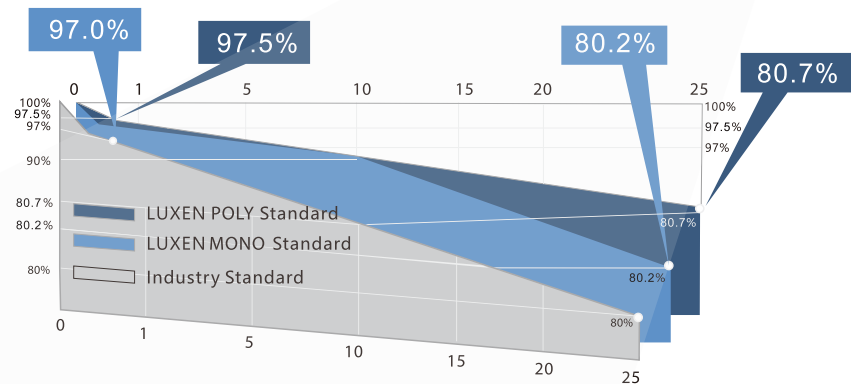
# LUXMAX<sup>®</sup> MONO 380-400w

LUXMAX<sup>®</sup> Plus series superhigh efficiency modules adopt advanced PERC technology (Passivated Emmitter Rear Contact technology). Its higher conversion efficiency and better anti-PID performance bring installers the maximize power yield per unit area. They can meet your very strict requirement on quality and efficiency of modules.

72 cells  
Bigger PERC Cell



## LINEAR PERFORMANCE WARRANTY



ISO9001:2015  
management systems



IEC61215 & IEC61730  
standard quality



Smaller electric current, less CTM loss  
Lower risk of hot spot



Wind load up to 3800Pa  
Snow load up to 5400Pa



+5W  
0-5W positive power sorting



Stable performance under  
weak light conditions



10-year  
25-year  
25-year power warranty  
10-year product warranty



# MONO 380w-400w 72cells

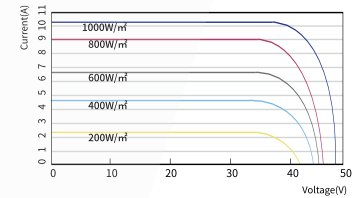
# LUXEN

## ELECTRICAL PARAMETERS

	LNSF-380M		LNSF-385M		LNSF-390M		LNSF-395M		LNSF-400M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380W	282W	385W	285W	390W	288W	395W	291W	400W	294W
Open Circuit Voltage (Voc)	48.27V	45.55V	48.62V	45.76V	48.94V	45.97V	49.26V	46.17V	49.58V	46.38V
Short Circuit Current (Isc)	10.13A	7.98A	10.18A	8.02A	10.24A	8.06A	10.29A	8.10A	10.35A	8.14A
Voltage at Maximum Power (Vmpp)	39.54V	37.50V	39.81V	37.70V	40.11V	37.89V	40.40V	38.09V	40.68V	38.28V
Current at Maximum Power (Impp)	9.61A	7.52A	9.67A	7.56A	9.72A	7.60A	9.78A	7.64A	9.83A	7.68A
Module Efficiency(%)	19.16%		19.42%		19.67%		19.92%		20.17%	

**STC:** Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G  
**NOCT:** Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C,  
 wind speed 1m/s, AM1.5G

LNSF-395M/I-V



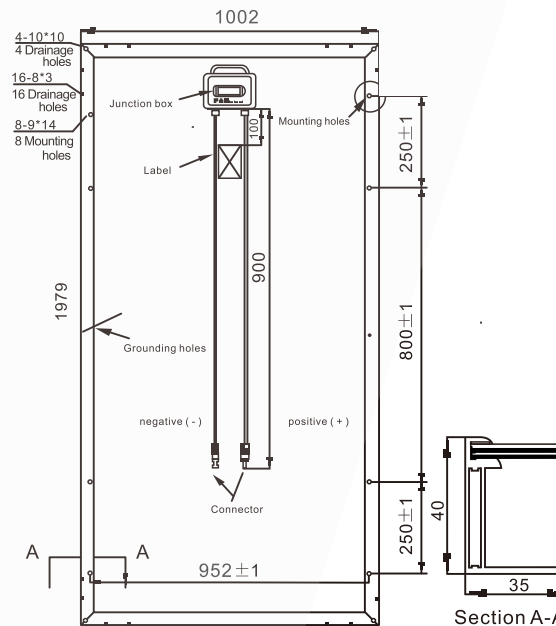
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W
<b>Temperature Characteristics</b>	
Nominal Operating Cell Temperature(Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

## Packing Configuration

Container	20' GP	40' HQ
Pieces per pallet	26	26
Pallets per container	10	22
Pieces per container	260	572

## Mechanical Characteristics

Solar Cell	MONO
No. of Cells	72(6×12)
Dimensions	1979x1002x40mm
Weight	23.5 kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated(3 by pass diodes)
Output Cables	4.0mm <sup>2</sup> , symmetrical length (-900mm and (+)900mm
Connectors	MC4 compatible
Mechanical load test	5400Pa



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