



**SOLARA**  
Your Sunny Future

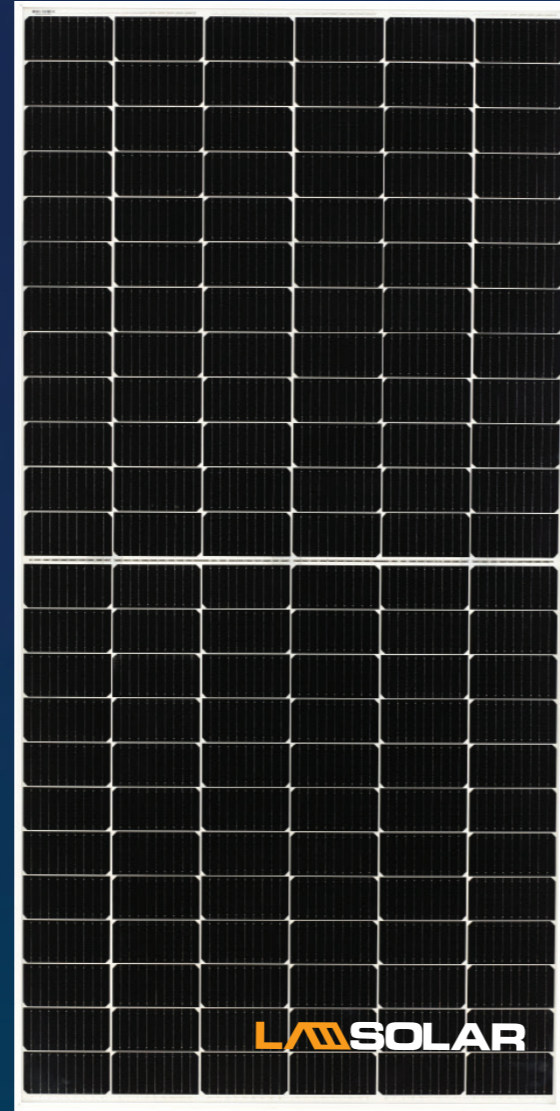
# MONO MODULE LS415HC

**144 CELL**  
MONOCRYSTALLINE MODULE

**415W**  
POWER OUTPUT RANGE

**20.61%**  
MAXIMUM EFFICIENCY

**0 to +3%**  
POSITIVE POWER TOLERANCE



## Main Characteristics



High conversion efficiency



Outstanding low irradiation performance



Less shading effect



Excellent loading capability

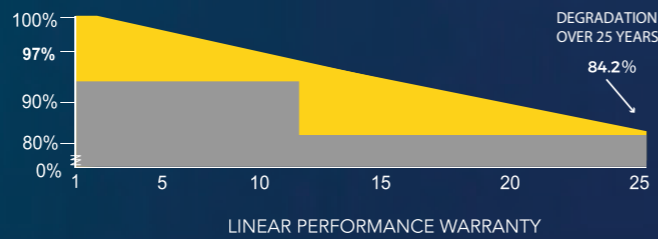


Higher ROI



Strong physical Property

## 25 YEAR WARRANTY



### QUALIFICATIONS AND CERTIFICATES

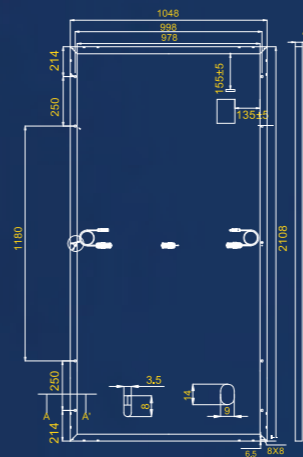


## Electrical Characteristics

Component Model	LS415HC
Maximum Power (PMP)	415
Open Circuit Voltage (VOC)	49.00
Short Circuit Current (ISC)	10.80
Maximum Power Voltage (VMP)	40.70
Maximum Power Current (IMP)	10.20
Component Efficiency ( $\eta_c$ )	20.61%
Power Tolerance	(0, +3%)
Maximum System Voltage	1500V DC
Maximum Rated Fuse Current	20 A

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25 °C AM=1.5

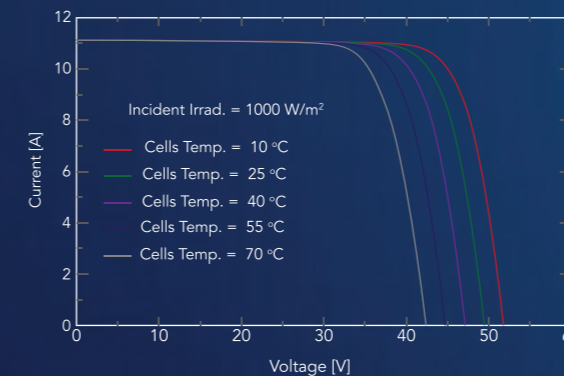
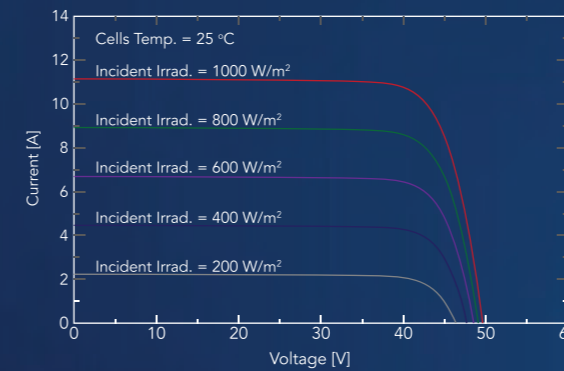
### PHISICAL CHARACTERISTICS



## Temperature Characteristics

Temp. Coeff. of Isc (TK Isc)	0.04% / °C
Temp. Coeff. of Voc (TK Voc)	-0.28% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.37% / °C

### I-V Curve



## Structural Characteristics

Cell Type	166x83mm MONO PERC
Weight	23.0kg
Number of Cells	144 (6x12+6x12)
Dimension	2008x1002x35mm
Max Load	5400 Pascals
Junction Box	IP68
Connector	MC4
Wire type	compatible PV wire
Fire Performance	Type 1
Protection Class: Class II (Classified as per IEC 61140)	

## Packing Method

Container	40'HQ
Pieces per Pallet	30
Pieces per Container	600