

## SOLIGHT Series

# 300-305W

### Flexible Solar Panel



#### Light Weight

Non-glass modules are 60% lighter than traditional glass modules.



#### Easy Installation

Light weight, easy for handling



#### Aesthetic Appearance

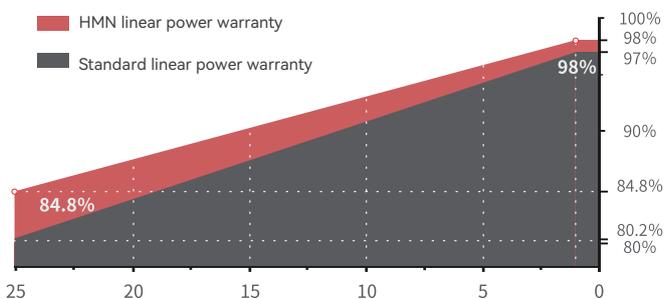
Half cell design, High Consistency



#### Customized

Provide Customized Service

### Linear Performance Warranty

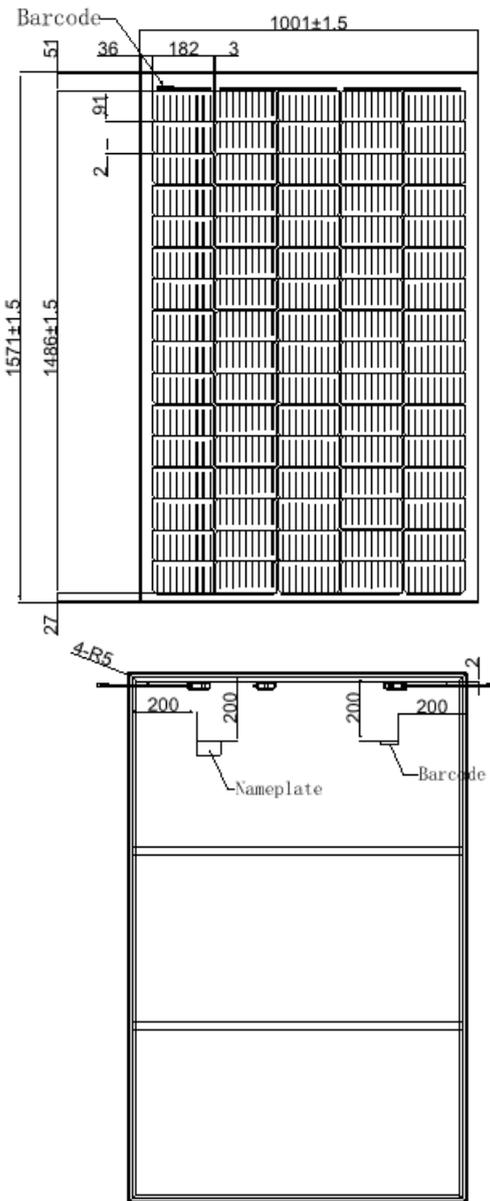


### Linear power warranty

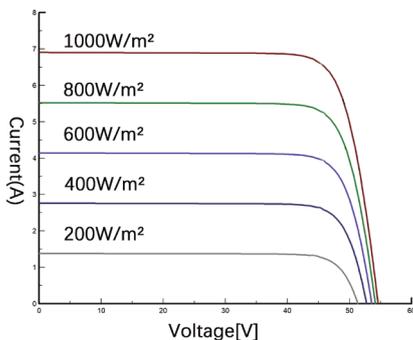
**25** YEAR Linear Power Warranty

**12** YEAR Product Warranty

## Characteristics



## I-V Curve



## Electrical Characteristics

STC	HMN-300-F1MC	HMN-305-F1MC
Maximum Power (Pmax )	300W	305W
Maximum Power Voltage(Vmp)	45.5V	45.6V
Maximum Power Current(Imp )	6.59A	6.69A
Open-circuit Voltage(Voc)	54.6V	54.7V
Short-circuit Current(Isc)	6.90A	6.96A
Module Efficiency(%)	19.07%	19.39%
Operating Temperature	-40 °C to 85 °C	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	20 A	
Application Class	Class	
Power Tolerance	0~+5W	

STC:Irradiance 1000W/m2 , module temperature 25°C , AM=1.5

## Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell
Cell Size	182×91mm
No. of cells	80
Module Dimensions	L:1571*W:1001*H:20 mm (Frame: Reinforced resin)
Weight	7.4kg±0.5
Backsheet	White PV Backsheet
J-Box	IP 68
Output cables	4mm <sup>2</sup>
Cable length	(+)/(-) 400 mm
Connector	MC4 compatible

## Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)T	41 ± 2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.033%/°C

## Packaging

Container	20'GP	40'HQ
Pieces per pallet	55	55
Pieces per container	660	1540