



## FLEXION Series 90-100W Flexible Solar Panel



**Light Weight**  
Frameless, Glass free



**Flexibility**  
Special manufacturing process and materials provide bending ability



**Aesthetic Appearance**  
Half cell design, High Consistency

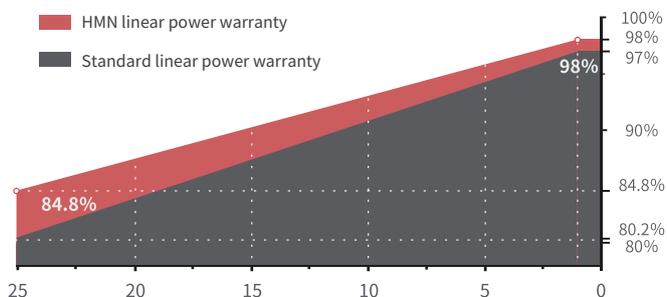


**Easy Installation**  
Light weight, easy for handling



**Customized**  
Provide Customized Service

### Linear Performance Warranty



### Linear power warranty

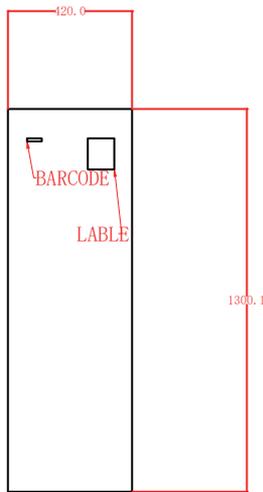
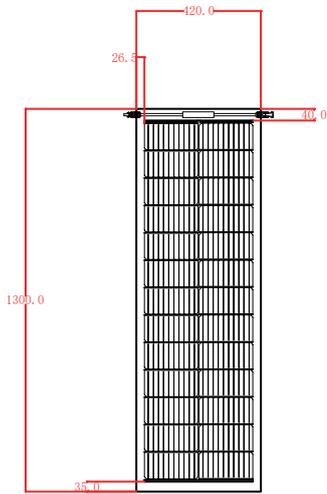
**25** YEAR

Linear Power Warranty

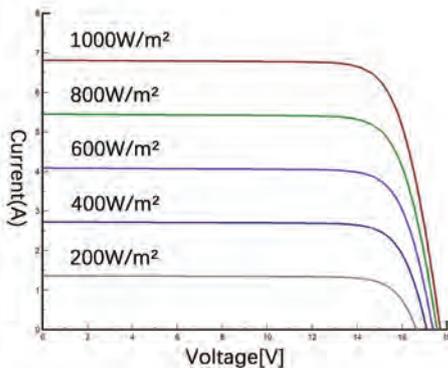
**12** YEAR

Product Warranty

## Characteristics



## I-V Curve



## Electrical Characteristics(STC)

ITEM	HMN-090-F1ME	HMN-095-F1ME	HMN-100-F1ME
Maximum Power (Pmax )	90W	95W	100W
Maximum Power Voltage(Vmp)	14.3V	14.6V	14.9V
Maximum Power Current(Imp )	6.26A	6.50A	6.73A
Open-circuit Voltage(Voc)	17.5V	17.7V	18.2V
Short-circuit Current(Isc)	6.50A	6.81A	6.92A
Module Efficiency(%)	16.48%	17.40%	18.32%
Operating Temperature	-40 °C to 85 °C		
Maximum System Voltage	600VDC		
Maximum Series Fuse Rating	15 A		
Application Class	Class II		
Power Tolerance	-5~0w		

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

## Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell
Cell Size	182×91mm
No. of cells	26
Module Dimensions	L:1300*W:420*H:3mm L:1300*W:420*H:18mm(J-Box included)
Weight	1.58kg
Backsheet	White PV Backsheet
J-Box	IP 67
Output cables	4mm <sup>2</sup>
Cable length	(+)/(-) 300 mm
Connector	MC4 compatible

## Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.020%/°C

## Packaging

Container	20'GP	40'HQ
Pieces per pallet	70	70
Pieces per container	560	1120