

FLEXION Series 300-305W

Flexible Solar Panel



Light Weight

Non-glass modules are 70% lighter than traditional glass modules.



Flexibility

Special manufacturing process and materials provide bending ability



Aesthetic Appearance

Half cell design, High Consistency



Easy Installation

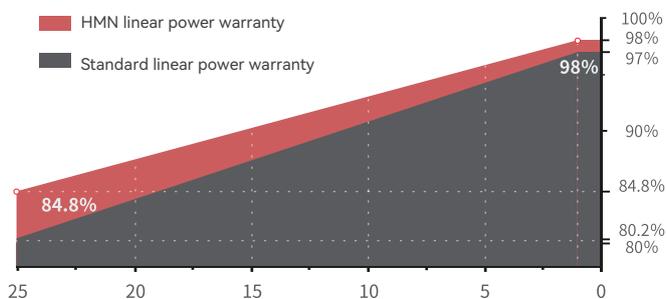
Light weight, easy for handling



Customized

Provide Customized Service

Linear Performance Warranty

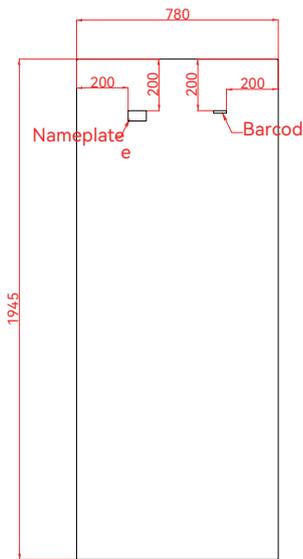
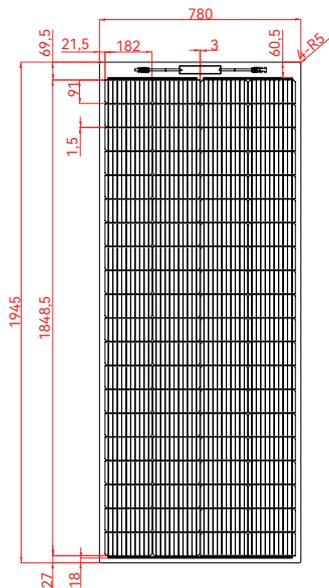


Linear power warranty

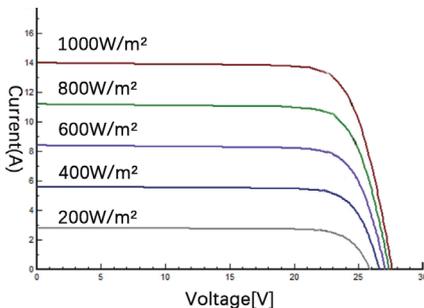
25 YEAR Linear Power Warranty

12 YEAR Product Warranty

Characteristics



I-V Curve



Electrical Characteristics

STC	HMN-300-F8MK	HMN-305-F8MK
Maximum Power (Pmax)	300W	305W
Maximum Power Voltage(Vmp)	23.2V	23.3V
Maximum Power Current(Imp)	12.95A	13.08A
Open-circuit Voltage(Voc)	27.6V	27.6V
Short-circuit Current(Isc)	13.95A	14.00A
Module Efficiency(%)	19.78%	20.10%
Operating Temperature	-40 °C to 85 °C	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25 A	
Application Class	Class II	
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:1945*W:780*H:3 mm L:1945*W:780*H:18 mm(J-Box included)
Weight	4.4kg
Backsheet	White PV Backsheet
J-Box	IP 68
Output cables	4mm ²
Cable length	(+)/(-) 400 mm
Connector	MC4 compatible

Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)T	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	700	1540