



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

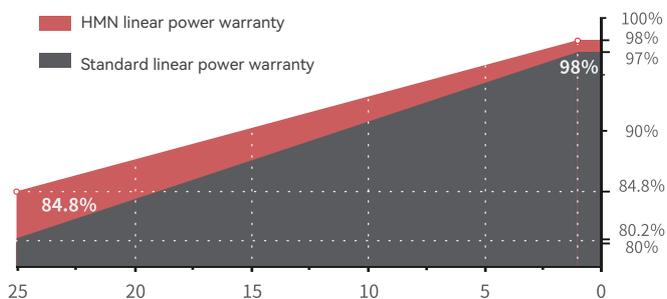
Half cell design, High Consistency



Customized

Provide Customized Service

Linear Performance Warranty

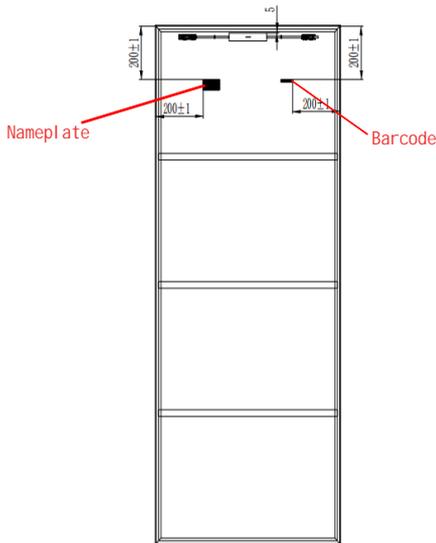
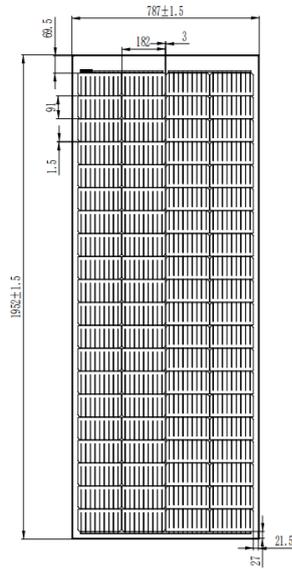


Linear power warranty

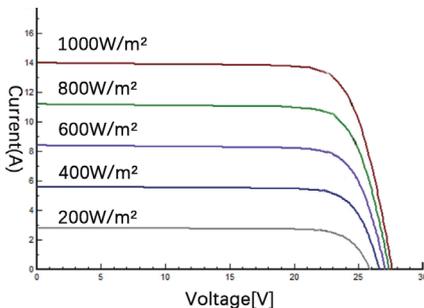
25 YEAR Linear Power Warranty

12 YEAR Product Warranty

Characteristics



I-V Curve



Electrical Characteristics

STC	HMN-300-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(%)	19.52%	19.85%
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:1952*W:787*H:20 mm (Frame: Reinforced resin)
Weight	6.6±0.5kg
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	-0.34%/°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	550	1210