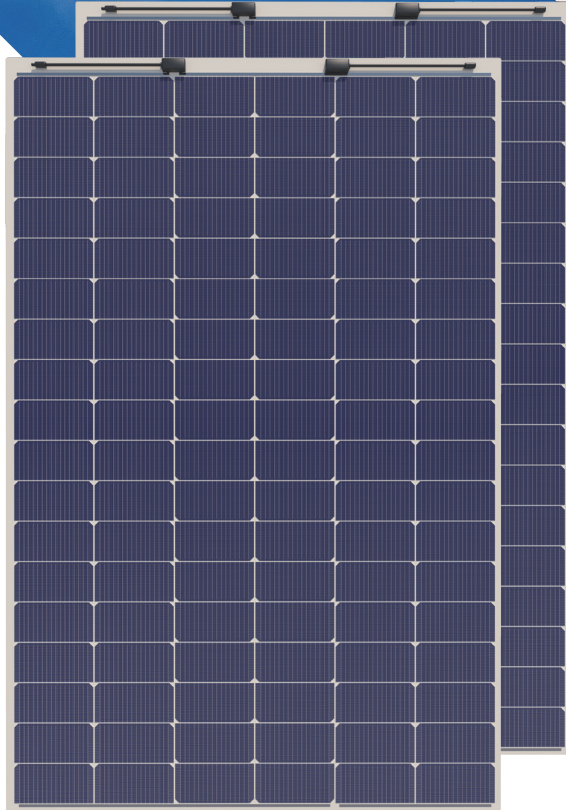




Light Weight
Frameless, Glass free



Flexibility
Special manufacturing process and materials
provide bending ability



High conversion efficiency
Improved reliability and power generation efficiency

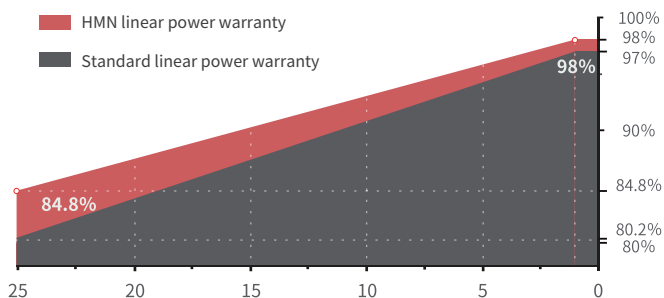


Easy Installation
Light weight, easy for handling



Customized
Provide Customized Service

Linear Performance Warranty



Quality system: ISO 9001: 2005



Linear power warranty

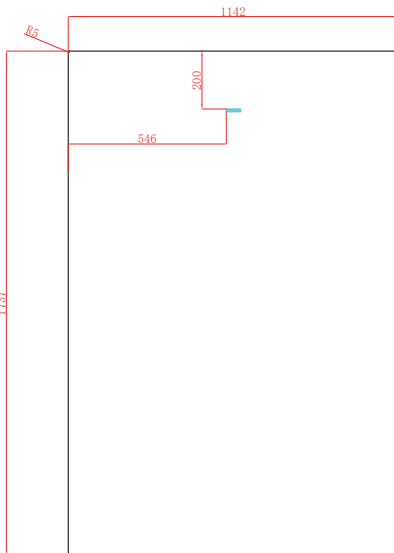
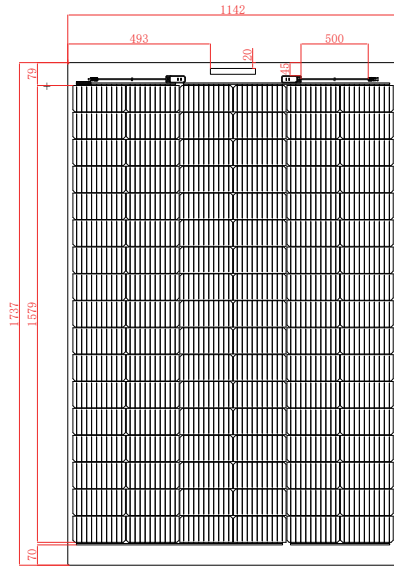
25 YEAR

Linear Power
Warranty

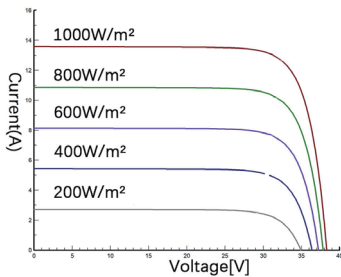
12 YEAR

Product
Warranty

Characteristics



I-V Curve



Tel: 0086-513-6992-2698

Email: info@harmonyfab.com

Web: www.harmonyfabpv.com

Electrical Characteristics(STC)

ITEM	HMN-400-F8MC	HMN-405-F8MC	HMN-410-F8MC
Maximum Power (Pmax)	400W	405W	410W
Maximum Power Voltage(Vmp)	31.7V	32.1V	32.3V
Maximum Power Current(Imp)	12.63A	12.66A	12.70A
Open-circuit Voltage(Voc)	37.6V	37.9V	38.3V
Short-circuit Current(Isc)	13.44A	13.48A	13.57A
Module Efficiency(%)	20.17%	20.42%	20.67%
Operating Temperature	-40 °C to 85 °C		
Maximum System Voltage	1500VDC		
Maximum Series Fuse Rating	30A		
Application Class	Class A		
Power Tolerance	0~+5 W		
STC:Irradiance 1000W/m² , module temperature 25°C , AM=1.5			

Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell
Cell Size	182×91.875mm
No. of cells	102
Module Dimensions	L:1737*W:1142*H:3 mm
	L:1737*W:1142*H:18 mm(J-Box included)
Weight	5.7kg
Backsheet	White PV Backsheet
J-Box	IP 68
Output cables	4mm ²
Cable length	(+)/(-) 500 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	420	1820

Harmony Fab (Jiangsu) Solar Tech. Co., Ltd.

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