

Flexible

**515-525W**

Flexible Solar Panel With Frame



**Light Weight**  
Frameless, Glass free



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



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

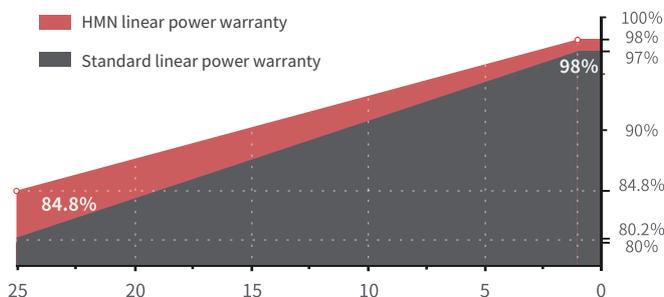


**Aesthetic Appearance**  
Half cell design, High Consistency



**Customized**  
Provide Customized Service

**Linear Performance Warranty**



Quality system: ISO 9001: 2005

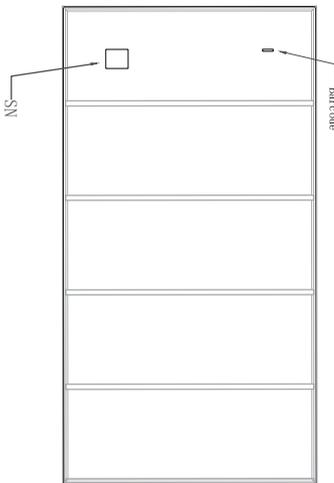
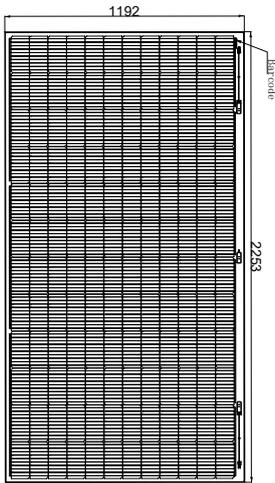


**Linear power warranty**

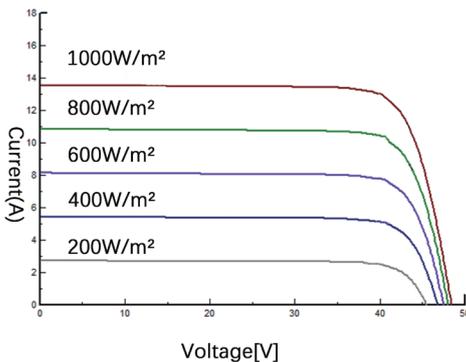
**25** YEAR Linear Power Warranty

**12** YEAR Product Warranty

## Characteristics



## I-V Curve



## Electrical Characteristics(STC)

ITEM	HMN-515-F8MA	HMN-520-F8MA	HMN-525-F8MA
Maximum Power (Pmax )	515W	520W	525W
Maximum Power Voltage(Vmp)	40.2V	40.3V	40.4V
Maximum Power Current(Imp )	12.85A	12.94A	13.03A
Open-circuit Voltage(Voc)	48.3V	48.4V	48.5V
Short-circuit Current(Isc)	13.48A	13.56A	13.67A
Module Efficiency(%)	19.2%	19.4%	19.5%
Operating Temperature	-40 °C to 85 °C		
Maximum System Voltage	1500VDC		
Maximum Series Fuse Rating	25A		
Application Class	Class A		
Power Tolerance	0~+5 W		

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	144
Module Dimensions	L:2253*W:1192*H:19 mm(J-Box included)
Weight	10.4kg
Backsheet	White PV Backsheet
J-Box	IP 68
Output cables	4mm <sup>2</sup>
Cable length	(+)/(-) 400 mm (Customizable)
Connector	MC4 compatible

## Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	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	220	550

