



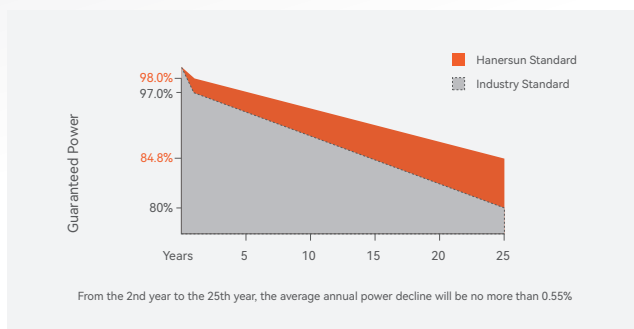
## FLEXIBLE MODULE SERIES

# Hitouch 5

HN18-72H-F

# 520-535W

## Power Warranty



12-year product warranty



25-year linear power output warranty



### Ultra-light

Glass free module weighs 9.0kg, about 70% lighter than conventional glass modules.



### Safety

Integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.



### Easy to Install

No bracket, no penetration, reduces time on roof and saves installation costs.



### Reliable

Glass free module pass the same reliability tests as conventional glass modules, including IEC 61215, IEC61730, PID.

## Certificates



## About Hanersun

Hanersun is a world-leading clean energy company, focusing on R&D, manufacturing and distribution of solar module and energy storage system, as well as comprehensive clean energy solutions. Committed to high-efficiency technologies, the company is one of the first to launch PV modules of 600W+ and 700W+ in the industry.

## Electrical Characteristics (STC)

Module Type	HN18-72H-F520W	HN18-72H-F525W	HN18-72H-F530W	HN18-72H-F535W
Maximum Power (Pmax)	520	525	530	535
Maximum Power Voltage (Vmp)	41.03	41.21	41.39	41.57
Maximum Power Current (Imp)	12.67	12.75	12.81	12.89
Open-circuit Voltage (Voc)	48.94	49.09	49.24	49.39
Short-circuit Current (Isc)	13.64	13.70	13.76	13.83
Module Efficiency(%)	19.5%	19.7%	19.9%	20.1%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

Power Tolerance: 0~+3%

## Mechanical Parameters

Solar Cells	Monocrystalline (182mm)
No. of Cells	144 [12 x 12]
Module Dimensions	2246*1185*2.6mm
Weight	9kg
Backsheet	Strengthened White Back Sheet
Frame	Frameless
J-Box	IP68
Output Cable	4.0mm <sup>2</sup>
Cable Length	Length Portrait:400/400mm (can be customized)
Connector	Z4S-abcd/MC4-EVO 2A/Others

## Operating Parameters

Operational Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Application Class	Class A

## Temperature Ratings

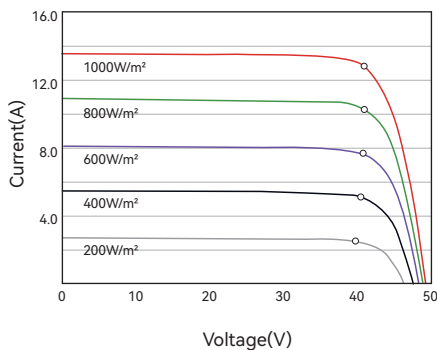
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.048%/°C

## Packaging

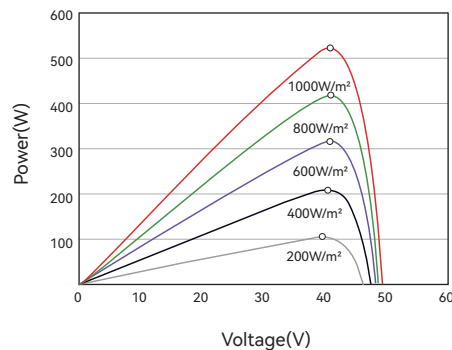
Pcs per Pallet: 70

Pcs per 40' HC: 700

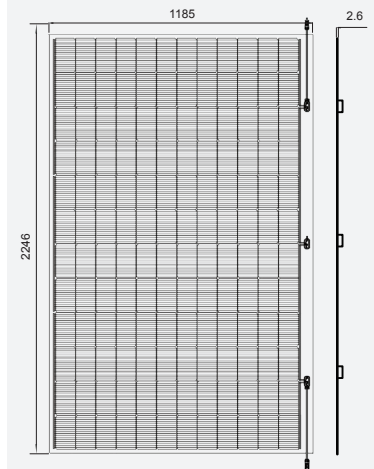
## I-V Curves of PV Module (520W)



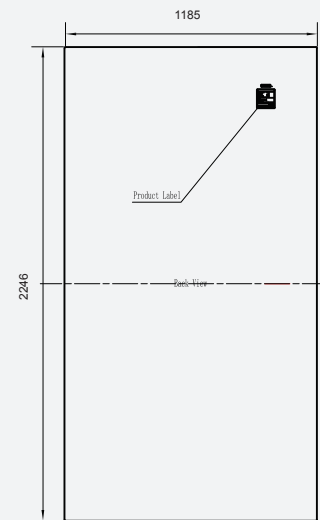
## P-V Curves of PV Module (520W)



## Dimensions (Unit: mm)



Front View



Back View