

## FH465M6-72H

### Half-cut mono solar panel 440W-465W

- ◆ Comprehensive product and system certificates
- ◆ IEC61215/IEC61730/UL1703/IEC61701/IEC62716
- ◆ ISO 9001:Quality Management System
- ◆ ISO 14001:Environment management system
- ◆ ISO 14064:Indoor gas emission check
- ◆ OHSAS 18001:OHSAS



Founded in Weihai , Shangdong in 2017, FHISOLAR is a leading vertically integrated solar energy company, through integrated manufacturing high-quality panels and extending to solar solutions, FHISOLAR provides the world with a reliable source of clean energy. FHISOLAR' s renowned product quality is supported by the lowest warranty claims rate in the industry. FHISOLAR is a Chinese state-owned company with headquarters in Weihai , Shangdong and branch in Jiangsu,CN. FHISOLAR employs around 500 employees worldwide, producing 1 GW of solar panels annually.



#### 9 busbar half-cut cell

Better light utilization and current collection capability, effectively improve product power output



#### Better resistance to hot spots

By optimizing the circuit design and current, better temperature coefficient and anti-spot ability are obtained



#### PID resistance to ensure

Minimize the attenuation probability caused by PID phenomenon through battery production technology optimization and material control



#### Adaptability to harsh environments

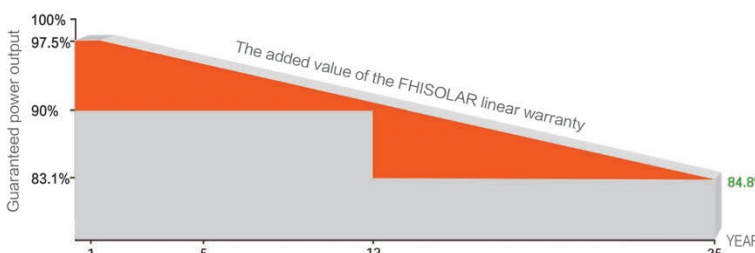
Third party certified through high salt fog and high ammonia corrosion tests



#### Loadability

Certified for wind load of 2400Pa and snow load of 5400Pa

## Industry leading linear warranty

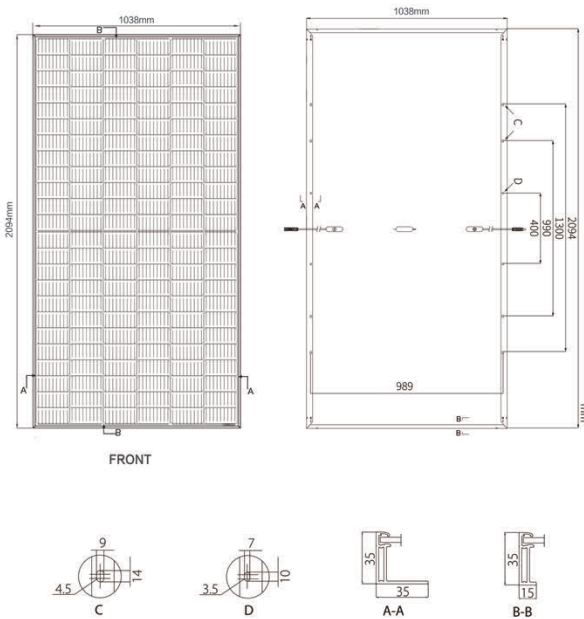


12 years material workmanship warranty

25 years linear warranty

Commitment to 25 years of power warranty linear power attenuation of 0.55 %

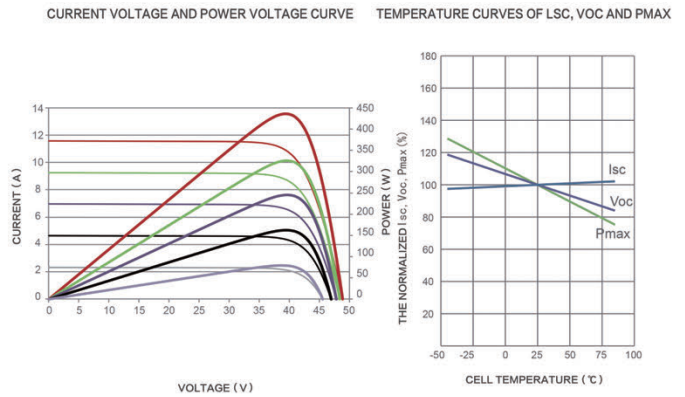
## ASSEMBLY DRAWING



## PACKAGING; STANDARD

30 pcs / pallet; 150 pcs / 20GP; 660 pcs / 40HQ container

## THE GRAPH



## THE STRUCTURAL PARAMETERS

Cell type	Mono 166*166mm
No. of half-cells	144pcs (6*24)
Dimensions	2094*1038*35mm
Weight	23.5 KG
Front glass	Single glass, 3.2mm tempered glass
Frame	Anodized aluminum frame
Junction box	Split junction box, IP68, 3 diodes
Output cables	4mm <sup>2</sup> , wire length 300mm

## ELECTRICAL PERFORMANCE PARAMETER

Module type	FH440M6-72H	FH445M6-72H	FH450M6-72H	FH455M6-72H	FH460M6-72H	FH465M6-72H
Maximum power (Pmax)	440Wp	445Wp	450Wp	455Wp	460Wp	465Wp
Maximum power voltage (Vmp)	40.89V	41.20V	41.51V	41.82V	42.12V	42.43V
Maximum power current (Imp)	10.76A	10.80A	10.84A	10.88A	10.92A	10.96A
Open-circuit voltage (Voc)	49.44V	49.57V	49.70V	49.82V	50.01V	50.13V
Short-circuit current (Isc)	11.28A	11.33A	11.36A	11.40A	11.44A	11.48A
Module efficiencySTC(%)	20.20%	20.5%	20.7%	20.9%	21.2%	21.4%
Operating temperature °C	-40°C~+85°C					
Maximum system voltage	1500V					
Maximum series fuse rating	20A					
Power tolerance	0~+5W					
Temperature coefficients of pmax	-0.350%/°C					
Temperature coefficient of voc	-0.270%/°C					
Temperature coefficients of Isc	+0.048%/°C					
Safety / fire rating	Class II / UL type 1					

☆ The above power tests are performed under standard test conditions (STC).

STC: Irradiance 1000W/m<sup>2</sup>

Cell Temperature: 25°C

AM=1.5

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