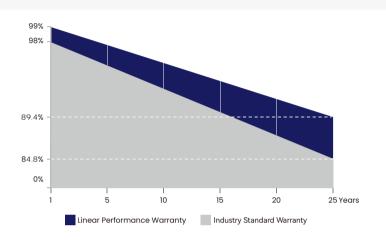


# JH-M10MF120C 450~475W

### 22.01% Efficiency

450~475W (182x182 mm Half-Cut Cell) 120 pcs

N-TYPE Full Black Monofacial









#### **KEY FEATURES HIGHLIGHTS**







#### **PRODUCT CERTIFICATIONS**



Production process reliability test electro-luminance inspection



AR coating tolerance and lower resistive loss



Excellent Durability resistantto salt mist, ammonia, dust and sand, snail trail.



Reduce BOS cost increase ROI Low temp coefficient (PMax) for higher output



Wide Applications Durability against Extreme Environmental Conditions



Lower Losses Multi Busbar Technologyfor better Light trapping

# JH-M10MF120C 450~475W



Electrical parameters at Standard Test Conditions (STC*) & Nominal Operating Cell Temperature (NOCT*)						
Module Type	450W / 336.6W	455W / 339.9W	460W / 343.6W	465W / 347.5W	470W / 351.1W	475W / 354.8W
Test Environment	STC / NOCT					
Power output tolerances Pmax(W)	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)
Module efficiency(%)	20.85	21.08	21.32	21.55	21.78	22.01
Voltage at Pmax Vmpp(V)	34.72 / 32.29	34.89 / 32.45	35.05 / 32.60	35.21 / 32.75	35.38 / 32.90	35.54 / 33.05
Current at Pmax Impp(A)	12.96 / 10.41	13.04 / 10.47	13.12 / 10.54	13.21 / 10.61	13.28 / 10.67	13.37 / 10.74
Open-circuit voltage Vco(V)	42.05 / 39.11	42.22 / 39.26	42.38 / 39.41	42.54 / 39.56	42.71 / 39.72	42.87 / 39.87
Short-circuit current Ico(A)	13.59 / 11.11	13.69 / 11.18	13.79 / 11.26	13.88 / 11.34	13.98 / 11.42	14.07 / 11.50

<sup>\*</sup>STC: 1000 W·m-2 irradiance, 25°C cell temperature, AM 1.5 spectrum according to EN 60904-

3.

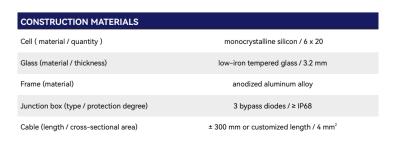
GENERAL CHARACTERISTICS		
Dimensions (L/W/H)	1903 mm / 1134mm / 30 mm	
Weight	24.2 kg	

PACKAGING SPECIFICATIONS	
Number of modules per pallet	36
Number of pallets per 40' container	24

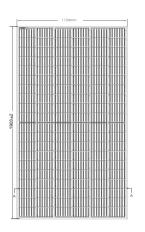
THERMAL CHARACTERISTICS				
Nominal operating cell temperature	NOCT	°C	45 ± 2	
Temperature coefficient of P <sub>max</sub>	γ	%/°C	-0.29	
Temperature coefficient of Voc	β	%/°C	-0.25	
Temperature coefficient of Isc	α	%/°C	0.045	

<sup>\*</sup>NOCT: open-circuit module operation temperature at 800 W·m-2 irradiance, 20°C ambient temperature, 1 m·s-1 wind speed.

OPERATING CONDITIONS	
Max. system voltage	1500 VDC
Max. series fuse rating*	25 A
Operating temperature range	- 40°C to 85°C
Max. static load, front (e.g., snow)	5400 Pa
Max. static load, back (e.g., wind)	2400 Pa
Max. hailstone impact (diameter/velocity)	25 mm / 23 m·s <sup>-1</sup>
*DO NOT CONNECT FUSE IN COMBINER BOX WITH TWO OR MORE S	STRINGS IN PARALLEL CONNECTION.



### BACK VIEW (Units: mm)







Warning: Read the Installation and User Manual in it's entirety before handling, installing and operating Solar modules.











NINGBO JING HONG ENERGY TECHNOLOGY CO., LTD.

Email: Sales@jhpvtech.com

Web: http://jhpvtech.com

Address: No. 1 Xinsi Road, Xinbei District, Changzhou City, Jiangsu Province, P.R. China



<sup>\*</sup>NOCT: open-circuit module operation temperature at 800 W·m-2 irradiance, 20°C ambient temperature, 1 m·s-1 wind speed.