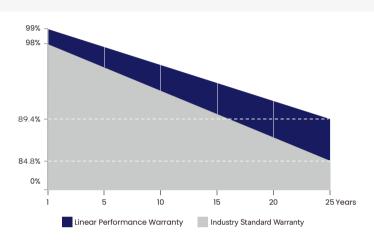


JH-M10DB108C 420~440W

22.53% Efficiency

420~440W (182x182 mm Half-Cut Cell) 108 pcs

N-TYPE bifacial Black Frame







KEY FEATURES HIGHLIGHTS



Mono MBB half cut Original European Parts



EU Standard European Quality Control



PID Resistance High stablility and torsion free with Wave Shape

PRODUCT CERTIFICATIONS



Production process reliability test electro-luminance inspection



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



AR coating tolerance and lower resistive loss

Wide Applications

Durability against Extreme

Environmental Conditions



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



Lower Losses Multi Busbar Technologyfor better Light trapping

JH-M10DB108C 420~440W



Electrical parameters at Standard Test Conditions (STC*) & Nominal Operating Cell Temperature (NOCT*)					
Module Type	420W / 313W	425W / 317W	430W / 320W	435W / 324W	440W / 328W
Test Environment	STC / NOCT				
Power output tolerances Pmax(W)	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)
Module efficiency(%)	21.51	21.76	22.02	22.28	22.53
Voltage at Pmax Vmpp(V)	31.91 / 29.87	32.22 / 30.16	32.49 / 30.41	32.52 / 30.44	32.57 / 30.49
Current at Pmax Impp(A)	13.16 / 10.47	13.19 / 10.50	13.24 / 10.54	13.38 / 10.65	13.51 / 10.75
Open-circuit voltage Vco(V)	37.58 / 35.47	37.75 / 35.63	38.07 / 35.94	38.26 / 36.12	38.32 / 36.17
Short-circuit current Ico(A)	13.93 / 11.25	13.99 / 11.30	14.00 / 11.31	14.08 / 11.38	14.22 / 11.49

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

3.

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

GENERAL CHARACTERISTICS	
Dimensions (L / W / H)	1722 mm / 1134mm / 30 mm
Weight	22 kg

PACKAGING SPECIFICATIONS	
Number of modules per pallet	36
Number of pallets per 40' container	26

THERMAL CHARACTERISTICS			
Nominal operating cell temperature	NOCT	°C	45 ± 2
Temperature coefficient of P _{max}	γ	%/°C	-0.29
Temperature coefficient of Voc	β	%/°C	-0.25
Temperature coefficient of lsc	α	%/°C	0.045

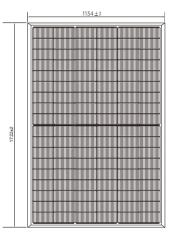
NOCT: open-circuit module operation temperature at 800 W·m-2 irradiance, 20°C ambient temperature, 1 m·s-1 wind speed.

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 ⁻¹
*DO NOT CONNECT FUSE IN COMBINER BOX WITH TWO OR MORE	STRINGS IN PARALLEL CONNECTION.

CONSTRUCTION MATERIALS

Cell (material / quantity)	monocrystalline silicon / 6 x 18
Glass (material / thickness)	low-iron tempered glass / 2+2 mm
Frame (material)	anodized aluminum alloy
Junction box (type / protection degree)	3 bypass diodes / ≥ IP68
Cable (length / cross-sectional area)	\pm 300 mm or customized length / 4 $\rm mm^2$

BACK VIEW (Units: mm)







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





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▲ Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.