

# WISER Series

## Mono – 108HC - N Type



**25 Years Guarantee**

**GRADE A QUALITY**

certificate












### High Efficiency

Advanced solar cell technology ensures, The high module efficiency up to 22.00%.



### Positive Tolerance

Module guarantees a positive –only power tolerance of 0 to +5w to bring extra benefit.



### Strong Load Capacity

Module is capable to withstand 2400Pa wind loads and 5400Pa Snow loads.



### Reliable quality

Module is manufactured in accordance with international quality standards ISO9001



### Higher Weatherproof Rating

J-Box performs module with an environmental protection rating to IP68.



### Salt and Corrosion Resistant

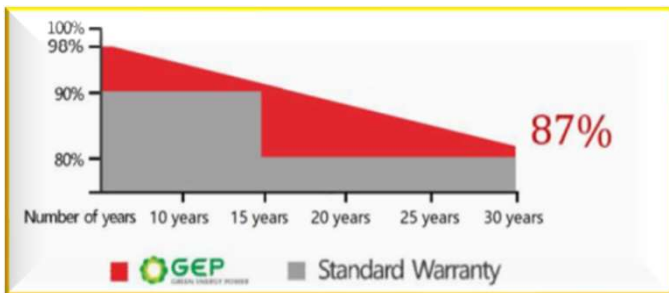
Highly Certified conform in higher salinity zone



### Anti PID Solar Technology

Highly PID resistant in larger humidity areas

415 / 420 / 425 / 430



**Material & Workmanship**

**15 Years**

**Linear Power Warranty**

**30 Years**

Technical drawing details:

- Width: 1134[44.65]
- Height: 990 [38.98], 1300[51.18], 1722[67.79]
- Mounting slots: 14 x 9[0.55 x 0.35] 8 places
- Labels: Product label, Junction box
- Bottom thickness: 30 [1.18]

Power Curve Graph (Current (A) vs Time):

Time (h)	415W (A)	420W (A)	425W (A)	430W (A)
0	0	0	0	0
5	2.5	2.2	1.8	1.5
10	5.0	4.4	3.6	3.0
15	7.5	6.6	5.4	4.5
20	10.0	8.8	7.2	6.0
25	12.5	11.0	9.0	7.5
30	14.0	13.2	10.8	9.0
35	14.5	14.0	12.0	10.0
40	14.0	13.0	11.0	9.0
45	0	0	0	0

# Electrical Characteristics

(STC)	GEP-IfMc415MH	GEP-IfMc420MH	GEP-IfMc425MH	GEP-IfMc430MH
Maximum Power (Pmax)	415W	420W	425W	430W
Tolerance of power	0/+5W	0/+5W	0/+5W	0/+5W
Maximum Power Voltage(Vmp)	31.32V	31.51V	31.70V	31.88V
Maximum Power Current(Imp)	13.25A	13.33A	13.41A	13.49A
Open Circuit Voltage(Voc)	37.92V	38.11V	38.30V	38.49V
Short Circuit Current (Isc)	13.99A	14.07A	14.15A	14.23A
Module Efficiency	21.3%	21.5%	21.8%	22.0%
Operating module Temperature	- 40°Cto +85°C			
Maximum system(DC) Voltage	DC1500V(IEC)			
Series Fuse Rating	25A			
NOCT*	45±2°C			
Temperature Coefficients of Pmax	- 0.30%/°C			
Temperature Coefficients of Voc	- 0.25%/°C			
Temperature Coefficients of Isc	+ 0.046%/°C			

# MECHANICAL CHARACTERISTICS

Solar Cell	Mono Topcon crystalline 182×91mm10BB			
Number of cells	108( 6×18 )			
Dimensions	1722×1134×30mm (67.8×44.65×1.18 inches )			
Weight	20.4Kg (44.97 lbs)			
Front Glass	3.2mm (0.13 inches) front glass			
Backboard	White、transparent			
边框 Frame	Aanodized aluminum alloy			
接线盒 Junction Box	IP68 rated			
电缆 Cable	4mm <sup>2</sup> solarcable 300mm(11.81 inches ) customized length			
接插头 Connector	EVO2/MC4 compatible			

# PACKING CONFIGURATION

	40HC
Pieces per pallet	36
pallets per container	26
Pieces per container	936

## NOTE:

1.Design and specifications are subject to chane without prior notice.

2.Refer to the installation and operating manual or contact Green energy power Renewable for detailed information on approved installation and use of this product.