

WRS HC120-MHB

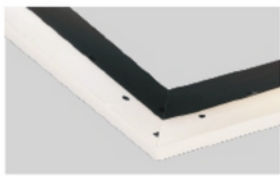
ALL BLACK

POWER RANGE
370W~400W

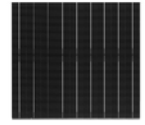
CELL FEATURE
166*83, 22.50%



JUNCTION BOX
High waterproof rating
Protection Degree: IP68
Safety Class: Class II
Rated Voltage: 1500V



FRAME
Strong mechanical load resistance up to 5400Pa
Anodic oxidation layer resistant to chemical corrosion
Available in silver and black.



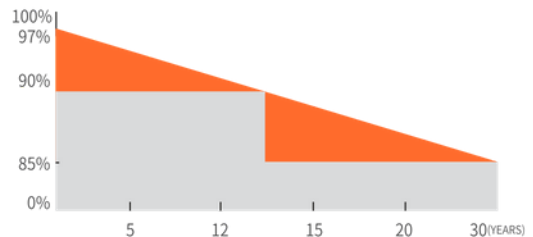
9BB

QUALIFICATIONS & CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY

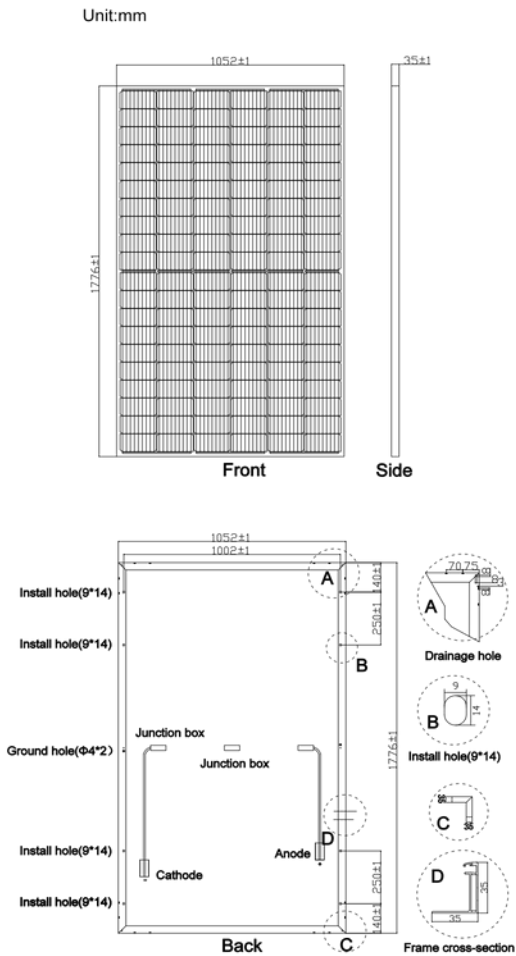


- 20 YEARS** Guarantee on product material and workmanship
- 30 YEARS** Linear Power output warranty

- Higher output power**
Resistance decreases and fill factor increases, then output power increases by 5-10 watts
- Better durability**
Excellent performance in low irradiance and other severe environment conditions such as salt mists, ammonia, sand storms etc...
- Longer life span**
Hot spot effect reduced and modules life span extended.
- PID Resistant**
Perfect resistance against PID (Potential Induced Degradation) to secure your investment.

WRS HC120-MHB

PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	WRS 370-30-MHB	WRS 380-30-MHB	WRS 390-30-MHB	WRS 400-30-MHB
Peak Power(Pmax)	370.00	380.00	390.00	400.00
Maximum Power Voltage(Vmp)	34.10	34.50	34.90	35.38
Maximum Power Current(Imp)	10.86	11.02	11.18	11.33
Open Circuit Voltage(Voc)	40.30	41.85	42.23	42.23
Short Circuit Current(Isc)	11.37	11.64	11.81	11.98
Cells Efficiency(%)	22.50	23.11	23.71	24.30
Module Efficiency(%)	19.84	20.37	20.90	21.13

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

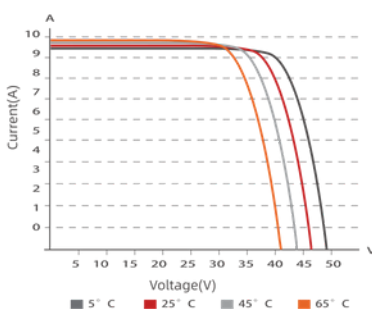
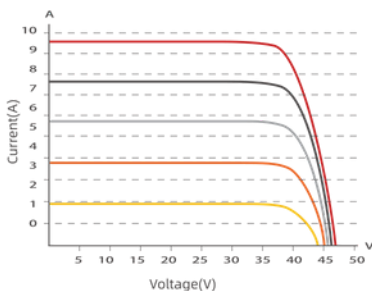
Model Type	WRS 370-30-MHB	WRS 380-30-MHB	WRS 390- MH30	WRS 400-30-MHB
Peak Power(Pmax)	274.10	282.00	290.00	303.00
Maximum Power Voltage(Vmp)	31.50	31.87	32.24	32.61
Maximum Power Current(Imp)	8.71	8.85	9.00	9.16
Open Circuit Voltage(Voc)	38.50	39.01	39.45	39.91
Short Circuit Current(Isc)	9.17	9.39	9.55	9.71

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500
Maximum Series Fuse Rating (A)	20
Power Tolerance	0~+3 %
Pmax Temperature Coefficients (W/°C)	-0.370 %
Voc Temperature Coefficient2s (V/°C)	-0.286 %
Isc Temperature Coefficients (A/°C)	+0.057 %
NOCT Nominal Operating Cell Temperature (°C)	45±2
Operating and Storage Temperature (°C)	-40~+85

IV CURVE



MECHANICAL CHARACTERISTICS

Cell Type	166x83 Mono Black
No. of Cells	120 (12x10)
Dimensions	1776x1050x35mm
Weight	20.0kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP68 3 diodes
Output cables	4mm ² cable 55cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

40HQ container

26 Packages/ 858pcs



WARIS ENERGY SRL

Italy- Via di Vittorio, 19, 38068, Rovereto (TN)

Germany- Im Speitel 9, 76229, Karlsruhe

Turkey- Mimarsinan OSB. 15. Can No:8, Melikgazi

EMAIL: INFO@WARIS-ENERGY.COM

TEL: 0039- 0464- 973892