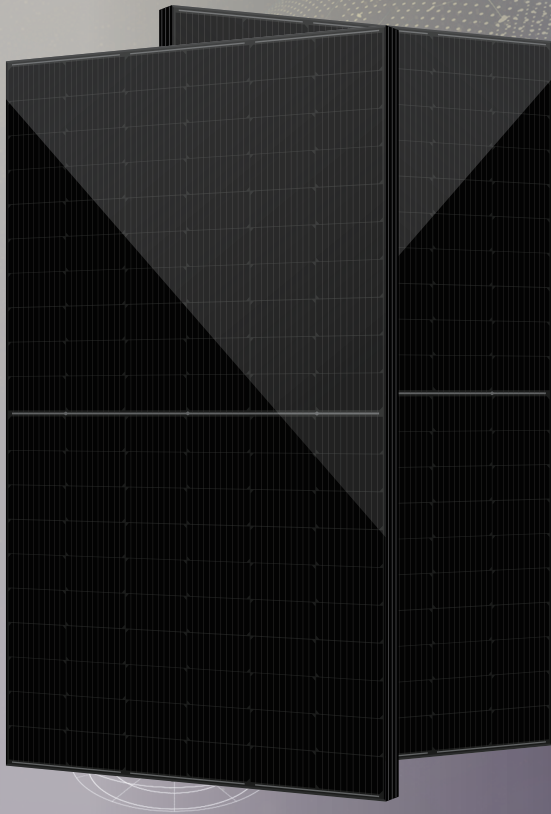


# ASM 120HC

High Performance Mono Perc Module

# 370-395<sub>w</sub>

**ALL  
BLACK**



## Elegant appearance with All black design



### Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



### Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



### Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



### Enhanced Mechanical Load

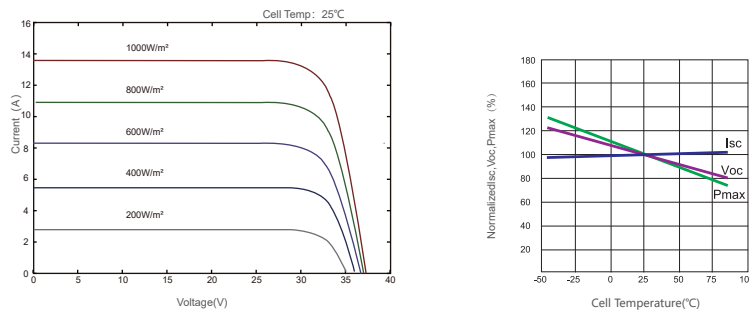
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

## Electrical characteristics

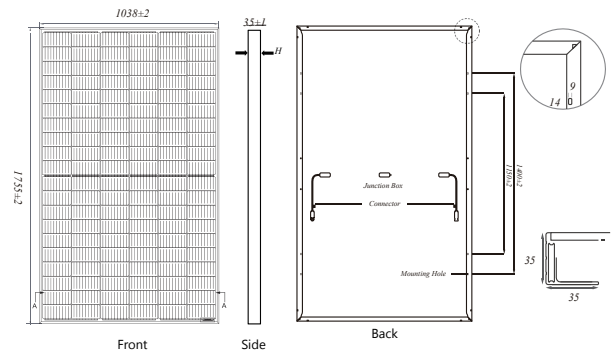
Module Type	370W		375W		380W		385W		390W		395W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	370W	280W	375W	284W	380W	287W	385W	291W	390W	295W	395W	298.5W
Short Circuit Current(Isc)	11.35A	9.20A	11.41A	9.25A	11.47A	9.30A	11.53A	9.35A	11.58A	9.40A	11.63A	9.45A
Open Circuit Voltage(Voc)	41.30V	38.65V	41.45V	38.89V	41.62V	39.14V	41.78V	39.37V	41.94V	39.63V	42.10V	39.87V
Maximum Power Current(Imp)	10.81A	8.66A	10.87A	8.71A	10.93A	8.78A	10.99A	8.83A	11.04A	8.88A	11.09A	8.93A
Maximum Power Voltage(Vmpp)	34.23V	32.30V	34.50V	32.55V	34.77V	32.72V	35.04V	32.96V	35.33V	33.20V	35.62V	33.44V
Module Efficiency	20.28%		20.55%		20.83%		21.10%		21.38%		21.65%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W		0~+5W		0~+5W	
Maximum System Voltage	VDC 1500V											
Maximum Series Fuse	20A											
Increased Snowload Acc.to Iec 61215	5400Pa											
Operating Temperature	-40~+85°C											
Number Of Bypass Diodes	3											
Norminal Operating Cell Temperature(Noct)	45°C±2°C											
Temperature Coefficient Of Pmax	-0.350%/°C											
Temperature Coefficient Of Voc	-0.272%/°C											
Temperature Coefficient Of Isc	0.044%/°C											

STC: 1000W/m2 irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, wind speed 1m/s.

## I-V Curve



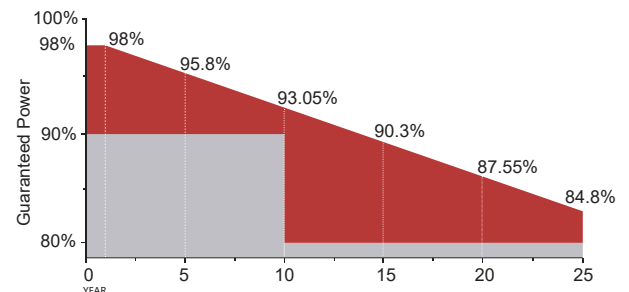
## Design



## The structural characteristics

Cell Type	Mono 166x83mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	1755*1038*35mm
Weights	20.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm <sup>2</sup> , +300mm, -300mm Customized Length

## Linear Performance Warranty



12-year product warranty



30-year linear power output warranty