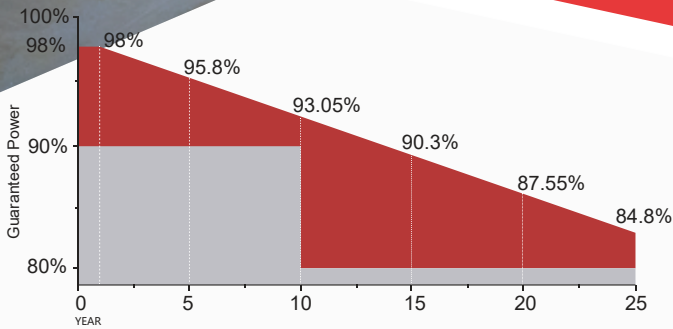
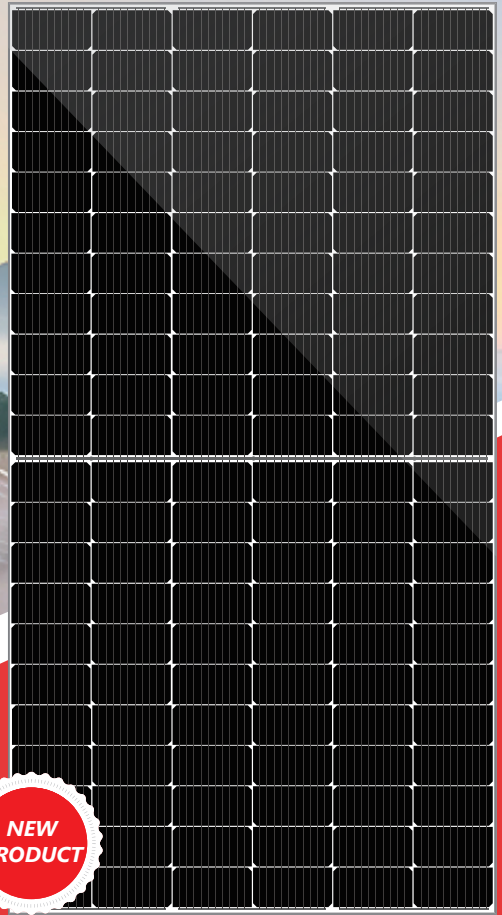


# ASM 132HC

High Performance Mono Perc Module

# 650-670<sub>w</sub>



12-year product warranty



30-year linear power output warranty

## Key Features



### 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.



### Enhanced Mechanical Load

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



### 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.

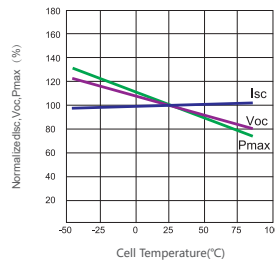
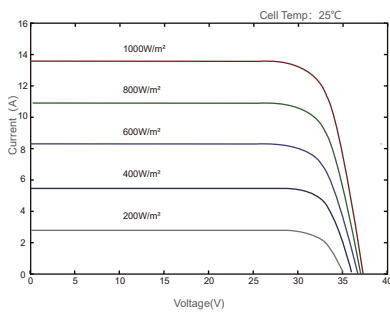


## Electrical characteristics

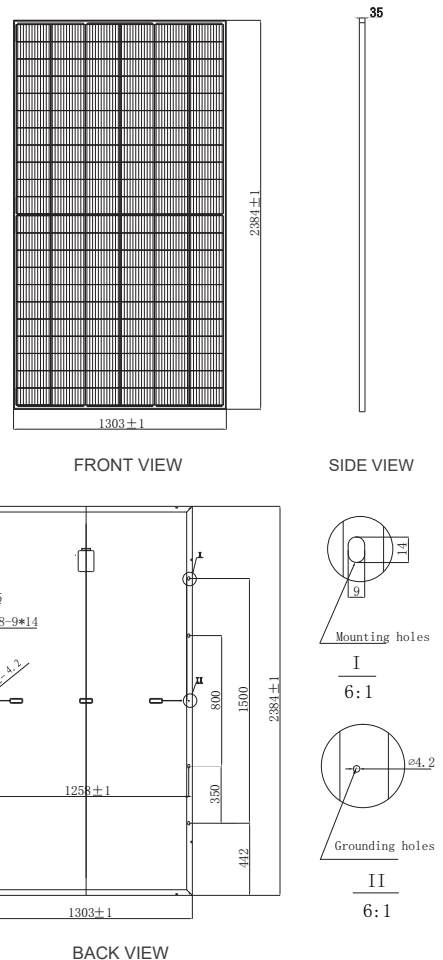
Module Type	650W		655W		660W		665W		670W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	650W	492.7W	655W	496.5W	660W	500.2W	665W	504.0W	670W	507.8W
Short Circuit Current(Isc)	18.35A	14.83A	18.39A	14.86A	18.44A	14.90A	18.48A	14.93A	18.51A	14.96A
Open Circuit Voltage(Voc)	45.2V	42.3V	45.4V	42.5V	45.6V	42.7V	45.8V	42.9V	46.0V	43.1V
Maximum Power Current(Imp)	17.34A	14.05A	17.38A	14.08A	17.42A	14.12A	17.46A	14.15A	17.50A	14.18A
Maximum Power Voltage(Vmpp)	37.5V	35.1V	37.7V	35.2V	37.9V	35.4V	38.1V	35.6V	38.3V	35.8V
Module Efficiency	20.92%		21.09%		21.25%		21.41%		21.57%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W		0~+5W	
Maximum System Voltage	VDC 1500V									
Maximum Series Fuse	30A									
Increased Snowload Acc.to Iec 61215	5400Pa									
Operating Temperature	-40~+85°C									
Number Of Bypass Diodes	3									
Normal Operating Cell Temperature(Noct)	45°C±2°C									
Temperature Coefficient Of Pmax	-0.34%/°C									
Temperature Coefficient Of Voc	-0.26%/°C									
Temperature Coefficient Of Isc	0.04%/°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 Crystalline 210x105mm
Number Of Cells	132 (6x22)
Dimensions(AxBxC)	2384x1303x35mm
Weights	34.5kg
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

## Packing Configuration

Container	40' HQ
Pieces Per Pallet	31
Pallets Per Container	527