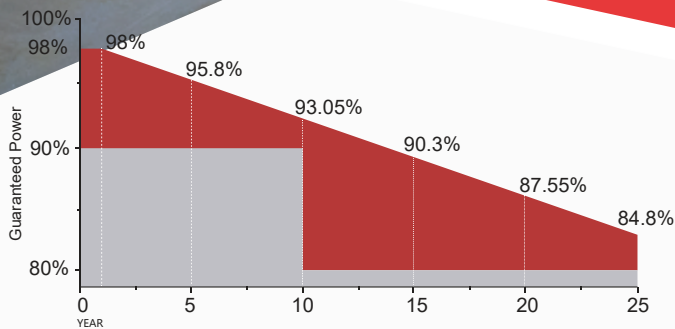
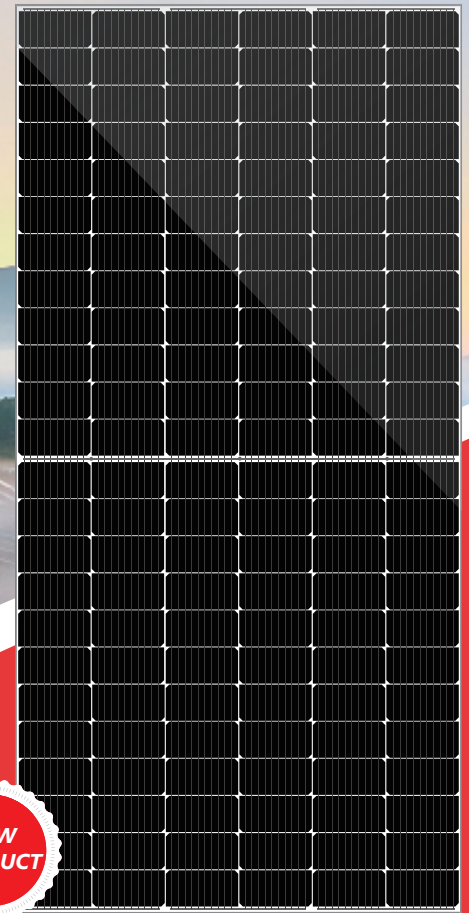


ASM144HC

High Performance Mono Perc Module

540-550_w



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.

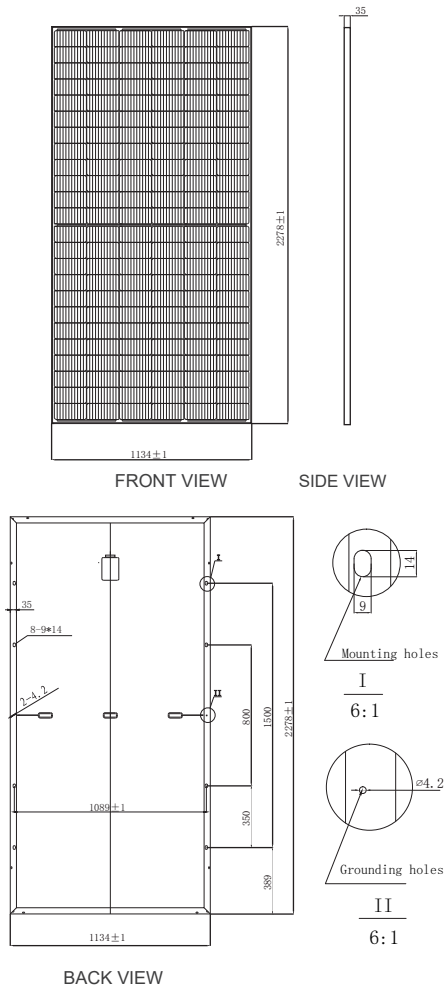


Durability Against Extreme Environmental Conditions

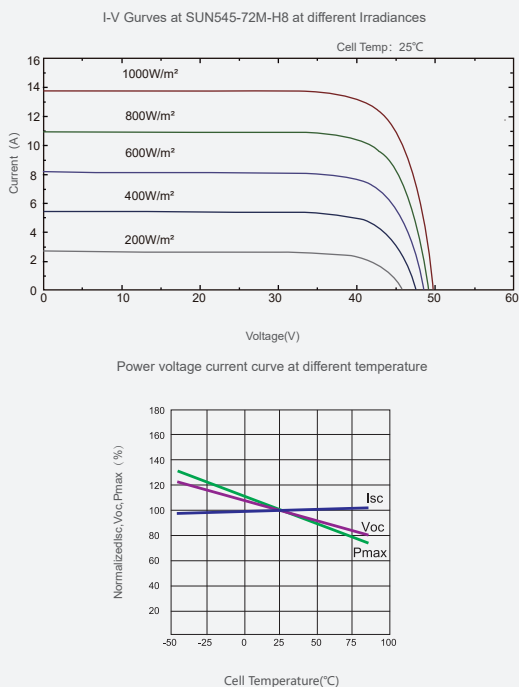
High salt mist and ammonia resistance.



MECHANICAL DRAWINGS



I-V CURVES



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 182x91mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2278x1134x35mm
Weights	29.0kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm², +300mm, -300mm Customized Length

ELECTRICAL CHARACTERISTICS

Maximum Power At STC(Pmax)	540W	545W	550W
Short Circuit Current(Isc)	13.70A	13.76A	13.82A
Open Circuit Voltage(Voc)	49.8V	50.0V	50.2V
Maximum Power Current(Imp)	12.86A	12.92A	12.98A
Maximum Power Voltage(Vmpp)	42.0V	42.2V	42.4V
Module Efficiency	20.90%	21.10%	21.29%
Power Tolerance	0~+5W	0~+5W	0~+5W

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5.

NOCT

Maximum Power At STC(Pmax)	406.8W	410.5W	414.3W
Short Circuit Current(Isc)	11.07	11.12	11.17
Open Circuit Voltage(Voc)	46.5	46.7	46.9
Maximum Power Current(Imp)	10.49	10.54	10.58
Maximum Power Voltage(Vmpp)	38.8	39.0	39.1

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.

SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	VDC 1000V
Maximum Series Fuse	25A
Increased Snowload Acc.to Iec 61215	5400Pa
Operating Temperature	-40~+85°C
Number Of Bypass Diodes	3

TEMPERATURE CHARACTERISTICS

Normal Operating Cell Temperature(Noct)	45°C±2°C
Temperature Coefficient Of Pmax	-0.41%/°C
Temperature Coefficient Of Voc	-0.33%/°C
Temperature Coefficient Of Isc	0.06%/°C

Packing Configuration

Container	40' HQ
Pieces Per Pallet	31
Pallets Per Container	620