

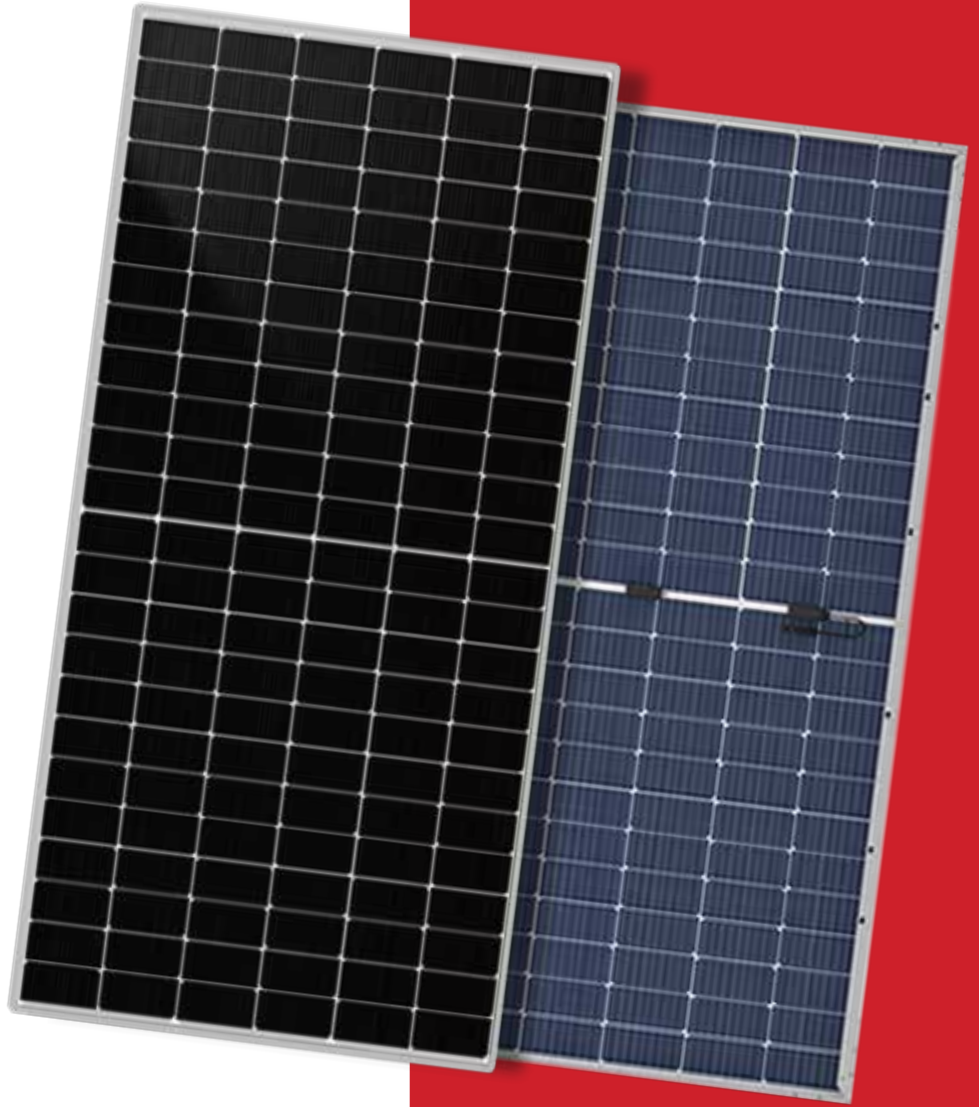
The Dhanush

144 Half-Cut 'Crafted' Module

ASM

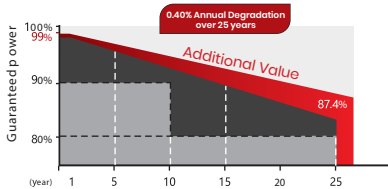
ASM 570W-585W
N-TOPCON
BIFACIAL MONOCRYSTALLINE MODULE

585



LINEAR PERFORMANCE WARRANTY

10 year product warranty / 25 year linear power warranty



KEY FEATURES



High Power Output

Generates up to 580 watts of electricity.



Monocrystalline Technology

Efficient energy conversion.



Multi Busbar Solar

Enhanced efficiency and reliability.



High Durability

Resistant to environmental factors.



Good Compatibility

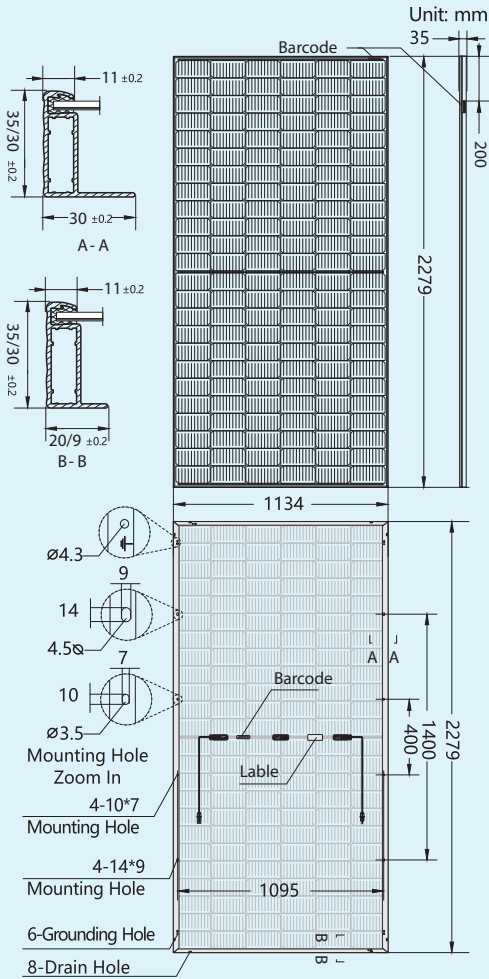
Ensures seamless integration.



Reliable Cost

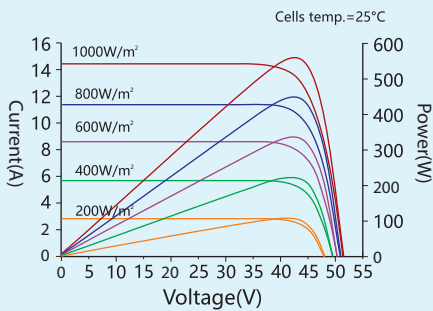
Balancing upfront investment with long-term value.

Dimensions of PV Module

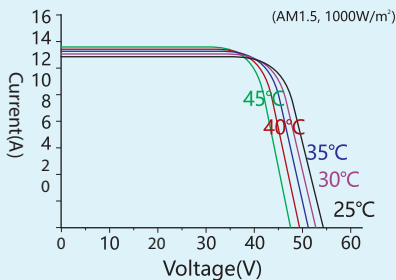


ASM-585W-182M/144TB

I-V characteristics at different irradiances



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

MODEL NUMBER	ASM-570W	ASM-575W	ASM-580W	ASM-585W
Rated Power in Watts-Pmax(Wp)	570	575	580	585
Open Circuit Voltage-Voc(V)	51.07	51.27	51.47	51.67
Short Circuit Current-Isc(A)	14.25	14.31	14.37	14.43
Max. Power Voltage-Vmpp(V)	42.29	42.44	42.59	42.74
Max. Power Current-Impp(A)	13.48	13.55	13.62	13.69
Module Efficiency(%)	22.06	22.25	22.44	22.64
Maximum system voltage	1500V DC			
Fuse Rating(A)	30			
Temperature coefficient Pmax	-0.29%/°C			
Temperature coefficient Isc	0.045%/°C			
Temperature coefficient Voc	-0.25%/°C			
Refer. Bifacial Factor	80±5%			

*STC: IRRADIANCE 1000W/M2, MODULE TEMPERATURE 25 C, AM=1.5

WORKING CHARACTERISTICS (NOCT*)

MODEL NUMBER	ASM-570W	ASM-575W	ASM-580W	ASM-585W
Rated Power in Watts-Pmax(Wp)	429	432	436	440
Open Circuit Voltage-Voc(V)	48.51	48.70	48.89	49.08
Short Circuit Current-Isc(A)	11.50	11.55	11.60	11.65
Max. Power Voltage-Vmpp(V)	39.65	39.78	39.87	39.99
Max. Power Current-Impp(A)	10.81	10.87	10.94	11.00
Power tolerance	0~+3%			
NOCT	45°C±2°C			
Operating Temperature	-40°C~85°C			

NOCT: IRRADIANCE 800W/M2, AMBIENT TEMPERATURE 20 C, WIND SPEED 1M/S

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN

5%	Pmax(Wp)	599	604	609	614
	Efficiency(%)	23.16	23.36	23.56	23.77
15%	Pmax(Wp)	656	661	667	673
	Efficiency(%)	23.16	23.36	23.56	23.77
25%	Pmax(Wp)	713	719	725	731
	Efficiency(%)	27.58	27.81	28.05	28.30

"The additional gain from the rear side compared to the power of the front side at the standard It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground."

MECHANICAL CHARACTERISTICS

NUMBER OF CELLS	144PCS	TYPE OF FRAME	ANODIZED ALUMINUM ALLOY
Size of cell(mm)	182×91	Size of module(mm)	2279×1134×35
Type of cell	N-TOPCon Mono	Weight(kg)	34.0/32.8
Thickness of glass(mm)	2.0	Cables/connectors	4.0mm², MC4 compatible
Junction box	IP68		+300mm/-300mm(connector included)

PACKAGING CONFIGURATION

Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260	2300×1120×1260
Box Gross Weight (kg)	1084	1210
Number of Modules Per 40ft (HQ) Container	620	720
Number of Pallets Per 40ft (HQ) Container	20	20

