ASM72P 565-585 Series

N-type Single glass components

*Please check the valid version of Limited Product Warranty which is officially released by Anhui Shangxia Solar Energy Co., Ltd.

565-585W
POWER RANGE

22.65%
MAXIMUM EFFICIENCY

0.55%
YEARLY DEGRADATION

12 YEARS PRODUCT WARRANTY

30 YEARS OUTPUT GUARANTEE

IEC 61215/IEC 61730/IEC 61701/IEC 62716/UL6 1730

ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety Management System

*As there are different certification requirements in different markets,please contact your local znshine sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

KEY FEATURES

Excellent Cells Efficiency
MBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.

Better Weak Illumination Response
More power output in weak light condition, such as haze, cloudy, and early morning.

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

Adapt To Harsh Outdoor Environment
Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.

TIER 1
Global,Tier 1 bankable brand,with independently certified advanced automated manufacturing.

Excellent Quality Managerment System
Warranted reliability and stringent quality assurances well beyond certified requirements.

Bifacial Technology
Up to 25% additional power gain from back side depending on albedo.

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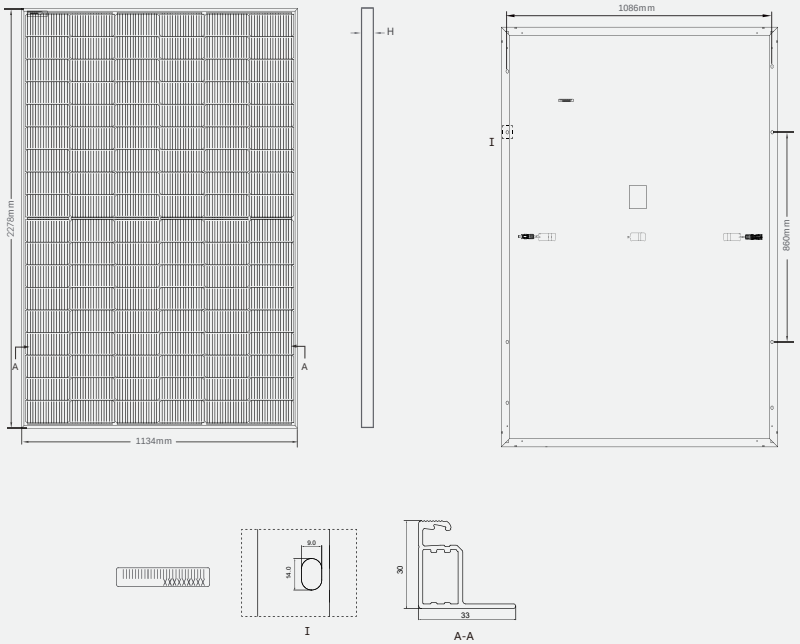
DIMENSIONS OF PV MODULE(mm)



*Remark: customized frame color and cable length available upon request

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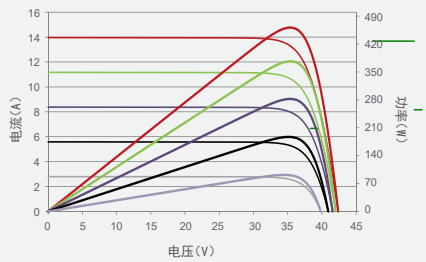
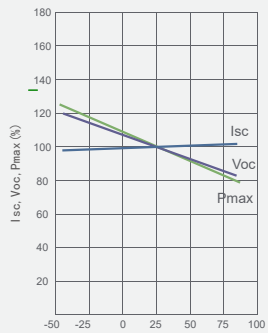
Current voltage and power voltage curves(445W)



Isc、Voc、Pmax Temperature curve



ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	565	570	575	580	585
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	41.92	42.07	42.22	42.37	42.52
Maximum Power Current Imp(A)	13.48	13.55	13.62	13.69	13.76
Open Circuit Voltage Voc(V)	50.60	50.74	50.88	51.02	51.16
Short Circuit Current Isc(A)	14.23	14.31	14.39	14.47	14.55
Module Efficiency (%)	21.87	22.07	22.26	22.45	22.65

*The data above is for reference only and the actual data is in accordance with the pratical testing
*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25℃, AM 1.5
*Measuring tolerance: ±3%

MECHANICAL DATA

Solar cells	Single glass
Cells orientation	144 (6×24)
Module dimension	2278×1134×30mm(With Frame)
Weight	28kg
Glass	3.2mm, High Transmission, AR Coated Tempered
Junction box	Glass IP 68, 3 diodes
Cables	4 mm² ,350 mm (With Connectors)
Connectors*	MC4-compatible

*Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	425	429	432	436	440
Maximum Power Voltage Vmpp(V)	10.79	10.85	10.92	10.99	11.05
Maximum Power Current Impp(A)	39.38	39.51	39.60	39.69	39.81
Open Circuit Voltage Voc(V)	48.06	48.20	48.33	48.46	48.60
Short Circuit Current Isc(A)	11.49	11.55	11.62	11.68	11.75

*NMOT:Irradiance 800W/m²,Ambient Temperature 20℃,AM 1.5,Wind Speed 1m/s

TEMPERATURE RATINGS

NMOT	45℃ ±2℃
Temperature coefficient of Pmax	-0.29%/℃
Temperature coefficient of Voc	-0.25%/℃
Temperature coefficient of Isc	+0.045%/℃
Refer.Bifacial Factor	70±5%

WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40℃~+85℃
Maximum series fuse	25 A
Front Side Maximum Static Loading	Up to 5400Pa
Rear Side Maximum Static Loading	Up to 2400Pa

*Do not connect Fuse in Combiner Box with two or more strings in parallel connection

Battery cell temperature

Transportation and I□

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