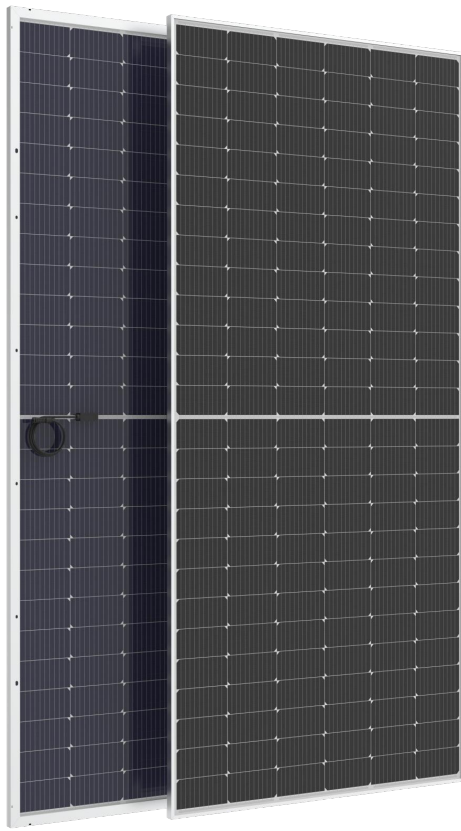




Mono-crystalline Bifacial PV Module (78Cells)

INS6-78TDHV

610~635W
OUTPUT POWER RANGE

21.8%~22.7%
PV MODULE EFFICIENCY



IEC 61701 Salt Mist
Resistance Regular
Production Surveillance

- www.tuv.com
ID 1111273945



IEC 61215 IEC 61730
Regelmäßige
Produktionsüberwachung

- www.tuv.com
ID 1111223037



PID-Resistenz
Regelmäßige
Produktionsüberwachung

- www.tuv.com
ID 1111225316



IEC 62716 Ammonia
Resistance Regular
Production Surveillance

- www.tuv.com
ID 1111224162

PRODUCT CHARACTERISTICS

- Light weight, easy to install, high cost performance, high efficiency, Low LCOE, double sided power generation
- Module certified to withstand extreme wind(2400 Pascal)and snow loads (5400Pascal)
- Guaranteed output:0~+5W
- Excellent performance in weak light condition, such as cloudy,morning and sunset
- Independently certified by international certification authorities, including IEC61215, IEC61730, CE

LINEAR WARRANTY AND CERTIFICATION



1st year output power not less than 99%



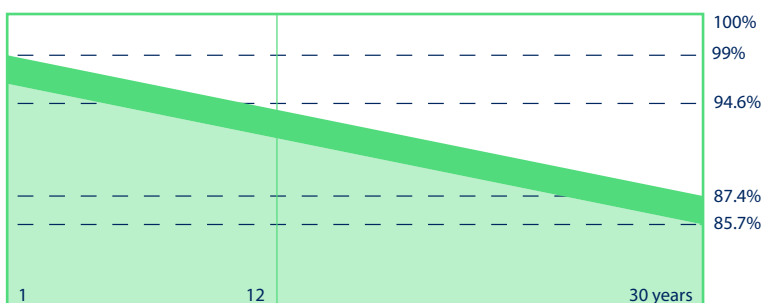
Warranty for product materials and production processes within 15 years



Output power not less than 94.6% within 12 years



Output power not less than 87.4% within 30 years



- INSOLA Solar linear power warranty
- Normal module linear power warranty

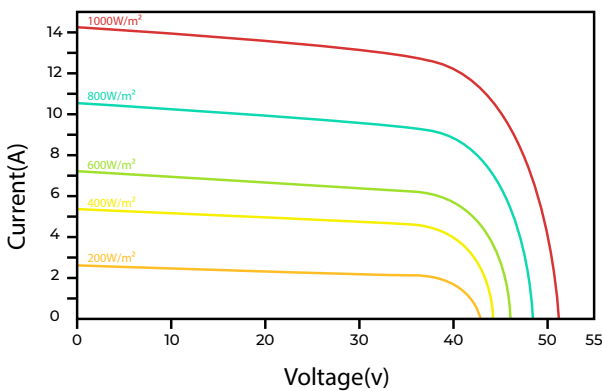


QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

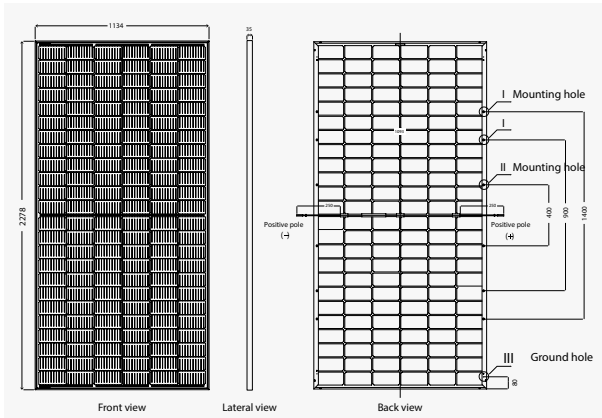
Limit Parameters		
Operating temperature	-40°C to+85°C	
Maximum fuse current rating	25A	
Physical Parameter		
Dimension	2465*1134*30mm	
Mounting hole size	400*1086mm,1500*1086mm	
Cable Length	250mm; Customizable	
Weight	35.3Kg	
Mode of Packing		
40Feet Container	Pieces per package	36pcs/case
	Quantity per pallet	2case/pallet
	Pieces per container	576pcs/40'GP,720pcs/13meters, 792pcs/17.5pcs/meters

Mechanical Characteristics	
Cell type	182×91mm monocrystalline silicon solar cells, 156 cells(6×26)
Glass	3.2mm thick low-iron tempered glass with high light transmittance
Junction Box	IPGrade:IP68
Temperature Rating	
Nominal Module Operating Temperature (NMOT)	42°C±2°C
Maximum Power (Pmax) Temperature Coefficient(δ(%/°C))	-0.30
Open-circuit voltage (Voc) Temperature coefficient(β(%/°C))	-0.25
Short circuit current (Isc) Temperature coefficient(α(%/°C))	0.045

I-VCurve (570W)



Assembly Drawing



Parameters of Module						
Electrical parameters (Standard test condition)	INS6-78-610TDHV	INS6-78-615TDHV	INS6-78-620TDHV	INS6-78-625TDHV	INS6-78-630TDHV	INS6-78-635TDHV
Maximum power-Pmax(Wp)	610	615	620	625	630	635
Maximum operating voltage-Vmp(V)	46.05	46.25	46.45	46.65	46.85	47.05
Maximum operating current-Imp(A)	13.25	13.30	13.35	13.40	13.45	13.50
Open-circuit voltage-Voc(V)	54.95	55.15	55.35	55.55	55.75	55.95
Short-circuit current-Isc(A)	14.04	14.10	14.16	14.22	14.28	14.34
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	21.82%	22.00%	22.18%	22.36%	22.54%	22.72%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5	0/+5	0/+5

2 Measured value sunder STC (temperature 25℃, air mass AM1.5, irradiance 1000W/m)

Different back-side power gain (for example 570W)					
Power Gain	5%	10%	15%	20%	25%
Max Power (Wp)	646	677	707	738	769
Max-Power Voltage Vmp (V)	46.25	46.25	46.25	46.25	46.25
Max-Power Current Imp (A)	13.97	14.63	15.30	15.96	16.63
Open-Circuit Voltage Voc (V)	55.15	55.15	55.15	55.15	55.15
Short-Circuit Current Isc (A)	14.81	15.51	16.22	16.92	17.63
Module efficiency	23.10%	24.22%	25.30%	26.40%	27.50%

Powering Progress with Solar Energy

5F, Building D2, Hutang Technology Industrial Park, Changzhou
Web:www.insola-energy.com

INSOLA