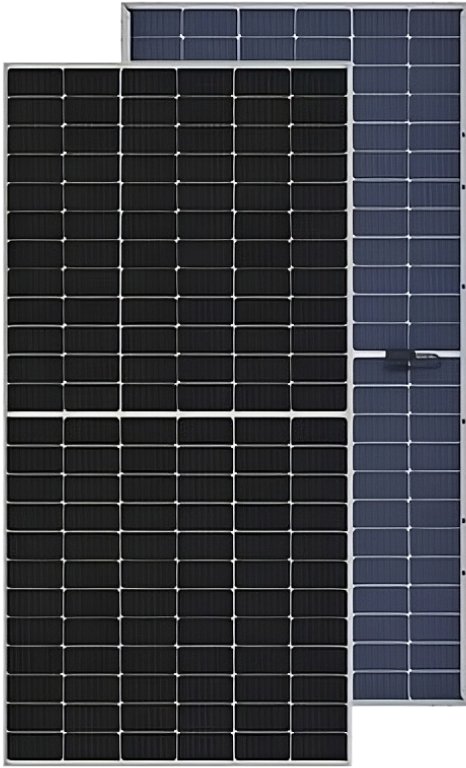




Mono-crystalline Bifacial PV Module (72Cells)

INS6-72TDHV

570~595W
OUTPUT POWER RANGE

22.1%~23.0%
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 1111274162

PRODUCT CHARACTERISTICS

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

LINEAR WARRANTY AND CERTIFICATION



1st year output power not less than 99%



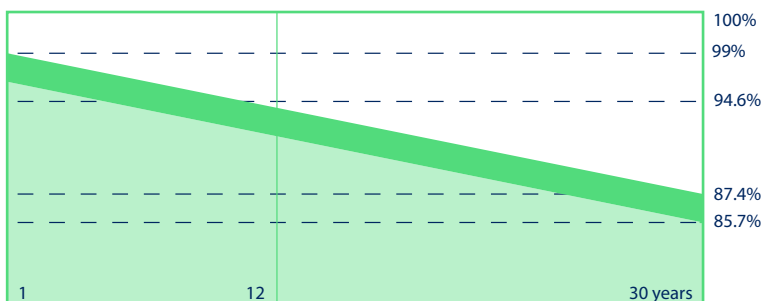
Warranty for product materials and production processes within 15 years



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℃ to+85℃	
Maximum fuse current rating	30A	
Physical Parameter		
Dimension	2278*1134*35mm	
Mounting hole size	400*1098,990*1098,1400*1098mm	
Cable Length	250mm;Customizable	
Weight	33Kg	
Mode of Packing		
40Feet Container	Pieces per package	31pcs/package
	Quantity per pallet	2package/pallet
	Pieces per container	620pcs/40'GP

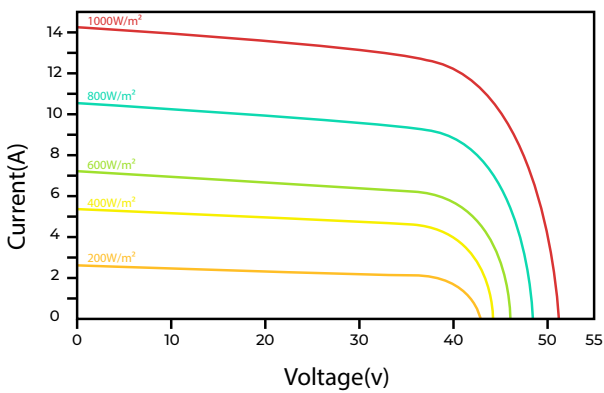
Mechanical Characteristics	
Cell type	182×91mm monocrystalline silicon solar cells, agroup of 144 cells (6×24)
Glass	2.0mm thick low-iron tempered glass with high light transmittance
Junction Box	IPGrade:IP68
Temperature Rating	
Nominal Module Operating Temperature (NMOT)	42°C±2°C
Maximum Power (Pmax) Temperature Coefficient(δ(%/°C))	-0.29
Open-circuit voltage (Voc) Temperature coefficient(β(%/°C))	-0.25
Short circuit current (Isc) Temperature coefficient(α(%/°C))	0.045

Parameters of Module						
Electrical parameters (Standard test condition)	INS6-72-570TDHV	INS6-72-575TDHV	INS6-72-580TDHV	INS6-72-585TDHV	INS6-72-590TDHV	INS6-72-595TDHV
Maximum power-Pmax(Wp)	570	575	580	585	590	595
Maximum operating voltage-Vmp(V)	42.80	43.0	43.2	43.40	43.60	43.80
Maximum operating current-Imp(A)	13.32	13.38	13.43	13.48	13.54	13.59
Open-circuit voltage-Voc(V)	51.00	51.2	51.4	51.60	51.80	52.00
Short-circuit current-Isc(A)	14.11	14.17	14.23	14.29	14.35	14.41
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	22.1	22.3	22.5	22.6	22.8	23.0
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5	0/+5	0/+5

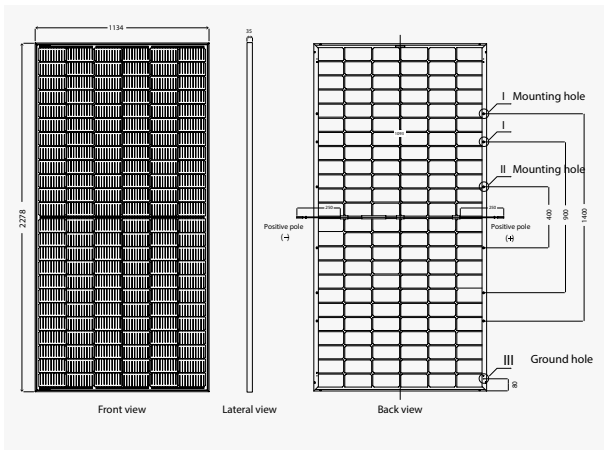
2 Measured values under STC (temperature 25℃, air mass AM1.5, irradiance1000W/m)

Different back-side power gain (for example 570W)						
Power Gain	5%	10%	15%	20%	25%	30%
Max Power (Wp)	599	627	656	684	713	741
Max-Power Voltage Vmp (V)	42.80	42.80	42.80	42.80	42.80	42.80
Max-Power Current Imp (A)	13.99	14.65	15.32	15.98	16.65	17.32
Open-Circuit Voltage Voc (V)	51.00	51.00	51.00	51.00	51.00	51.00
Short-Circuit Current Isc (A)	14.82	15.52	16.23	16.93	17.64	18.34
Module efficiency	23.2	24.3	25.4	26.5	27.6	28.7

I-VCurve (570W)



Assembly Drawing



Powering Progress with Solar Energy

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

INSOLA