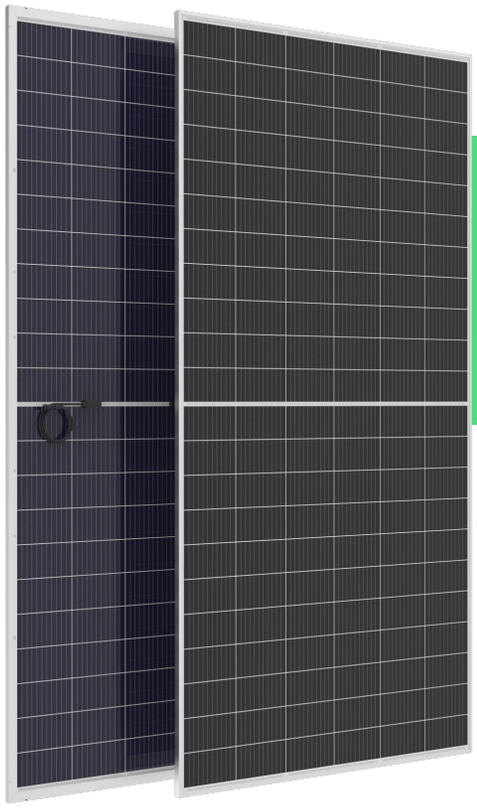
INSOLA



Mono-crystalline Bifacial PV Module (66Cells)

INS6-66E-TDV

695~720W
OUTPUT POWER RANGE

22.4%~23.2%
PV MODULE EFFICIENCY

TÜVRheinland CERTIFIED

IEC 61701 Salt Mist Resistance Regular Production Surveillance

- www.tuv.com
ID 1111273945

TÜVRheinland CERTIFIED

IEC 61215 IEC 61730 Regelmäßige Produktionsüberwachung

- www.tuv.com
ID 1111223037

TÜVRheinland CERTIFIED

PID-Resistenz Regelmäßige Produktionsüberwachung

- www.tuv.com
ID 1111225316

TÜVRheinland CERTIFIED

IEC 62716 Ammonia Resistance Regular Production Surveillance

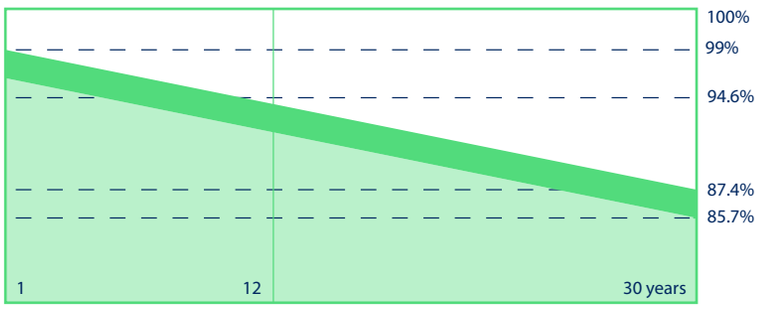
- www.tuv.com
ID 1111274162

PRODUCT CHARACTERISTICS

- Light weight, easy to install, high cost performance, high efficiency, Low LCOE, double sided power generation
- Module certified to 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



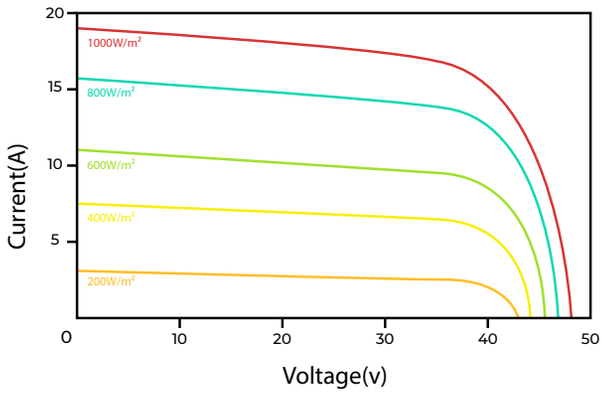
INSOLA Solar linear power warranty
Normal module linear power warranty

CE ISO WEEE PV CYCLE

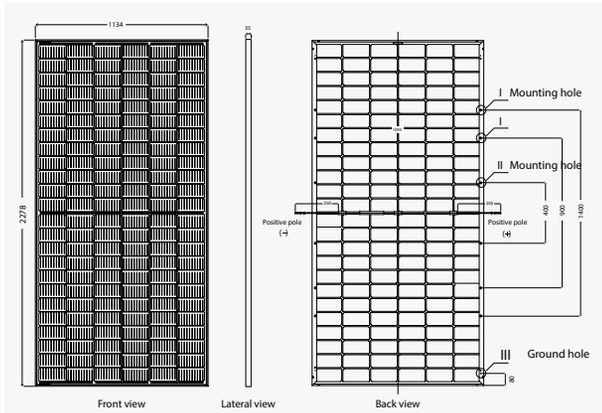
QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Limit Parameters		
Operating temperature	-40°C to+85°C	
Maximum fuse current rating	25A	
Physical Parameter		
Dimension	2384*1303*33/35mm	
Mounting hole size	400*1264,790*1264,1400*1264mm	
Cable Length	280mm; Customizable	
Weight	38.3Kg	
Mode of Packing		
40'HQ Container	Pieces per pallet	33pcs/pallet
	pallets per container	18pallets/40'HQ
	Pieces per container	594pcs/40'HQ
Mechanical Characteristics		
Cell type	210×105mm monocrystalline silicon solar cells,132 cells(6×22)	
Glass	2.0mm thick low-iron tempered glass with high light transmittance	
Junction Box	IPGrade: IP68	
Two-sided rate	70±5%	
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 (700W)



Assembly Drawing



Parameters of Module						
Electrical parameters (Standard test condition)	INS6-66E-695TDV	INS6-66E-700TDV	INS6-66E-705TDV	INS6-66E-710TDV	INS6-66E-715TDV	INS6-66E-720TDV
Maximum power-Pmax(Wp)	695	700	705	710	715	720
Maximum operating voltage-Vmp(V)	40.3	40.5	40.7	40.9	41.1	41.9
Maximum operating current-Imp(A)	17.25	17.29	17.33	17.36	17.40	17.44
Open-circuit voltage-Voc(V)	48.3	48.6	48.8	49.0	49.2	49.4
Short-circuit current-Isc(A)	18.28	18.32	18.36	18.40	18.44	18.49
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	22.4	22.5	22.7	22.9	23.0	23.2
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

2 Measured values underSTC (temperature25°C, airmassAM1.5, irradiance1000W/m)

Different back-side power gain(for example 10% irradiance)						
MaxPower(Wp)	754	759	765	770	776	781
Max-Power Voltage Vmp(V)	39.8	40.1	40.3	40.5	40.7	40.9
Max-Power Current Imp(A)	18.91	18.95	18.98	19.02	19.06	19.10
Open-Circuit Voltage Voc(V	47.7	47.9	48.3	48.6	48.8	49.0
Short-Circuit Current Isc(A	20.03	20.08	20.11	20.15	20.20	20.24
Exposure rate-rear/front	10%					

Powering Progress with Solar Energy
5F, Building D2, Hutang Technology Industrial Park, Changzhou
Web:www.insola-energy.com

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