HT SOLAR

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DG Monocrystal Solar Cell Modules

HTM280/285/290/295/300

DMA-60

Reliable Quality

0~+3% positive tolerance output warranty

EL full inspection for twice effectively eliminates defects of products

Optimize module current profile, improve system-side power generation

Module Characteristics

Strong Adaptability

Applicable to the harsh environment of coastal, desert, lake and so on

Power Warranty

30- year 80% output power warranty, more power output

No PID Effect

Special no-frame design greatly reduces the possibility of PID effects

Fire Resistance

Entire module pass through A-level fireproof test, more secure and reliable

Load Capacity

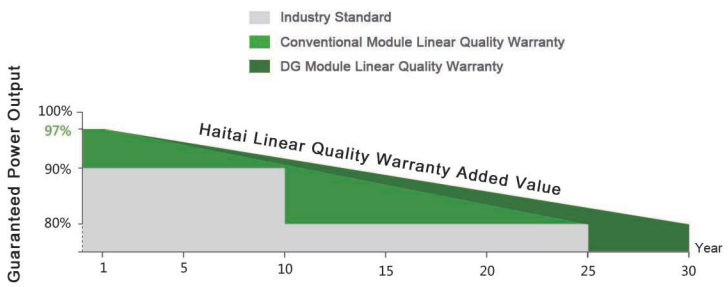
Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)

Durability and Reliability Enhancements

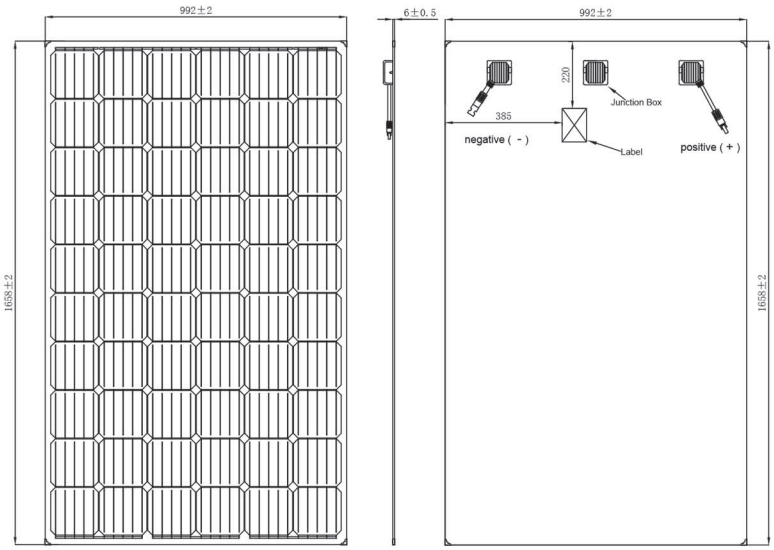
Reduce micro-cracking, snail trails, corrosions caused by moisture, sand, salt mist, acid, alkali, etc

Industry-leading Linear Quality Warranty

12-year material technology quality warranty•30-year linear quality warranty

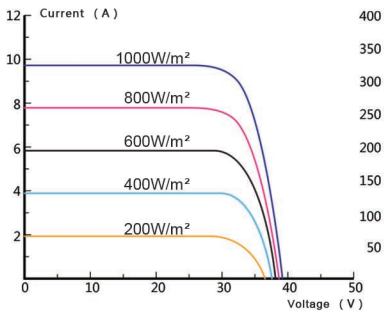


Module Dimensions(mm)

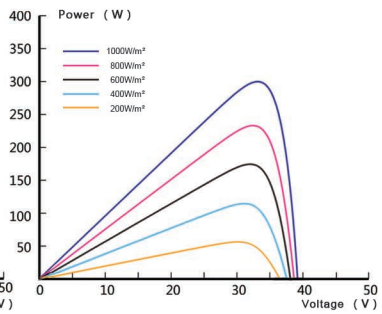


I-V Curve

Current-Voltage Curve (300W)



Power-Voltage Curve (300W)



Structure Parameter

Cell Type	156.75x156.75mm Monocrystal
Cell Orientation	60 (6x10)
Module Dimensions	1658x992x6mm
Weight	23kg
Front Glass	2.5mm Semi-tempered coated glass
Back Glass	2.5mm Semi-tempered glass
Junction Box	Protection class IP67
Cable	4.0mm² photovoltaic special cable
Connector	MC4 compatiple connector

Quality Assurance

12-year product quality warranty

30-year linear power warranty

Packaging Capacity

Each box capacity: 33 pcs

Container load capacity per 40 feet: 858 pcs

Electric Characteristics

Module Type	HTM280DMA-60		HTM285DMA-60		HTM290DMA-60		HTM295DMA-60		HTM300DMA-60	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Output Power(Pm)	280W	207W	285W	210W	290W	214W	295W	218W	300W	222W
Maximum Power Voltage(Vmp)	31.50V	29.20V	31.81V	29.42V	32.10V	29.60V	32.35V	29.87V	32.65V	30.12V
Maximum Power Current(Imp)	8.89A	7.09A	8.96A	7.15A	9.05A	7.23A	9.12A	7.30A	9.20A	7.38A
Open-circuit Voltage(Voc)	38.52V	35.86V	38.85V	36.01V	39.15V	36.45V	39.48V	36.89V	39.84V	37.21V
Short-circuit Current(Isc)	9.43A	7.54A	9.51A	7.61A	9.58A	7.65A	9.65A	7.68A	9.72A	7.75A
Module Conversion Efficiency(STC)	17.02%		17.33%		17.63%		17.94%		18.24%	
Maximum System Voltage	1000V									
Operating Temperature	-40℃~+85℃									
Temperature Coefficient(Pm)	-0.393%℃									
Temperature Coefficient(Voc)	-0.31%℃									
Temperature Coefficient(Isc)	0.041%℃									
Cell Rated Operating Temperature(NOCT)	45±2℃									

STC : Light intensity1000W/m² Environment temperature : 25℃ Air quality : AM1.5

NOCT : Light intensity800W/m² Environment temperature : 20℃ Air quality : AM1.5 Wind speed : 1m/s

HT SOLAR

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