HT SOLAR

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DG Polycrystal Solar Cell Modules

HTM270/275/280/285/290 DPA-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

Comprehensive Product and System Certification

- ISO 9001:2015 Quality Management Systems
- ISO 14001:2015 Environmental Management Systems
- OHSAS 18001:2007 Occupational Health and Safety Management Systems

Module Characteristics

Strong Adaptability

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

Power Warranty

80% output power warranty in 30 years, 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

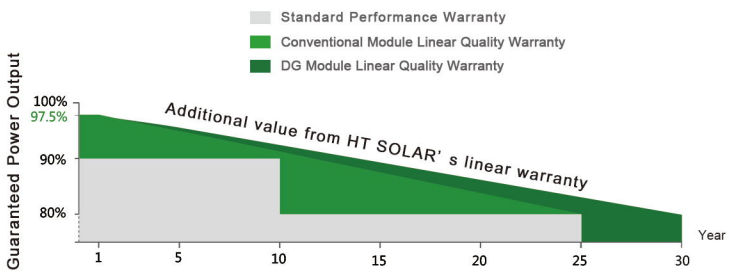
Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)

Durability and Reliability Enhancements

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

Industry-leading Linear Power Warranty

12-year product warranty•30-year linear power warranty



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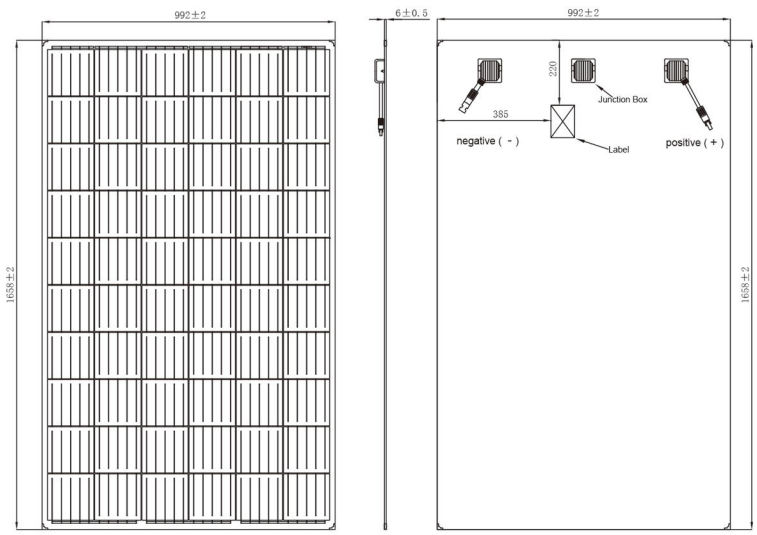
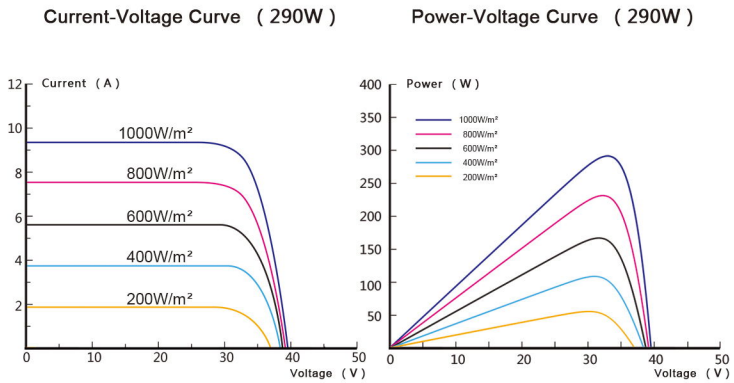
Module Dimensions(mm)



I-V Curve



Structure Parameter

Cell Type	156.75x156.75mm Polycrystal
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	HTM270DPA-60		HTM275DPA-60		HTM280DPA-60		HTM285DPA-60		HTM290DPA-60	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Output Power(Pm)	270W	200W	275W	203W	280W	207W	285W	211W	290W	215W
Maximum Power Voltage(Vmp)	31.15V	29.37V	31.40V	29.52V	31.75V	29.79V	32.10V	30.06V	32.44V	30.33V
Maximum Power Current(Imp)	8.67A	6.81A	8.76A	6.88A	8.82A	6.95A	8.88A	7.02A	8.94A	7.09A
Open-circuit Voltage(Voc)	38.19V	36.24V	38.55V	36.51V	38.91V	36.97V	39.27V	37.43V	39.69V	37.89V
Short-circuit Current(Isc)	9.17A	7.26A	9.23A	7.31A	9.30A	7.36A	9.37A	7.41A	9.44A	7.46A
Module Conversion Efficiency(STC)	16.42%		16.72%		17.02%		17.33%		17.63%	
Maximum System Voltage	1000V/1500V									
Operating Temperature	-40℃~+85℃									
Temperature Coefficient(Pm)	-0.394%℃									
Temperature Coefficient(Voc)	-0.307%℃									
Temperature Coefficient(Isc)	0.04%℃									
Cell Rated Operating Temperature(NOCT)	45±2℃									

STC : Light intensity1000W/m² Module 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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