



\* Concept Drawing



## DG Monocrystal Solar Cell Modules

### HTM285/290/295/300/305/310/ 315DMA-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)

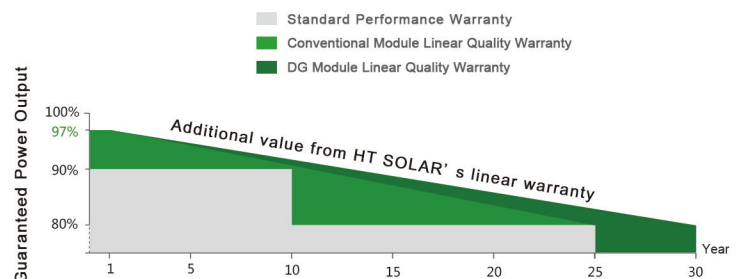


#### Durability and Reliability Enhancements

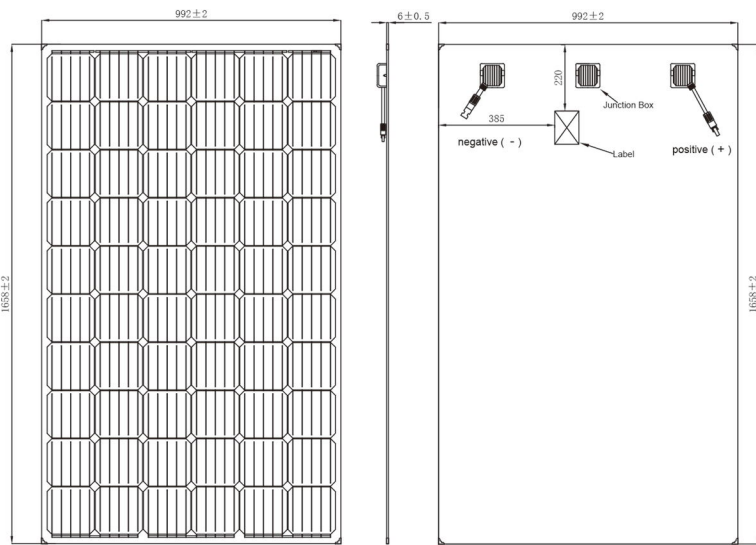
Reduce micro-cracking, snail trails, corrossions caused by moisture, sand, salt mist, acid, alkali, etc

### Industry-leading Linear Power Warranty

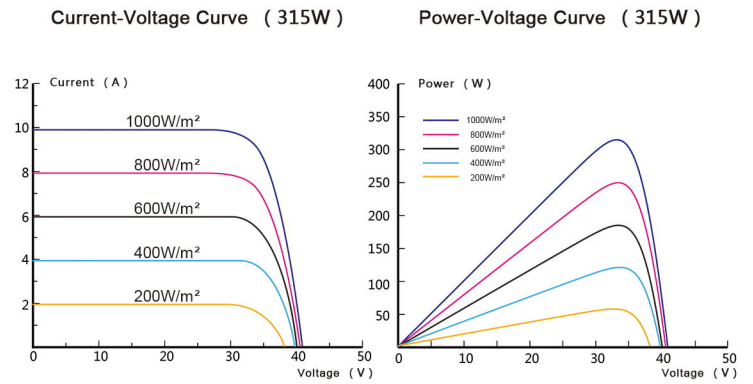
12-year product warranty•30-year linear power warranty



## Module Dimensions(mm)



## I-V Curve



## 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

## 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	4.0mm <sup>2</sup> photovoltaic special cable
Connector	MC4 compatible connector

## Electric Characteristics

Module Type	HTM285DMA-60		HTM290DMA-60		HTM295DMA-60		HTM300DMA-60		HTM305DMA-60		HTM310DMA-60		HTM315DMA-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Conditions														
Maximum Output Power(Pm)	285W	210W	290W	214W	295W	218W	300W	222W	305W	226W	310W	229W	315W	232W
Maximum Power Voltage(Vmp)	31.81V	29.42V	32.10V	29.60V	32.35V	29.87V	32.65V	30.12V	32.91V	30.42V	33.25V	30.66V	33.55V	30.90V
Maximum Power Current(Imp)	8.96A	7.15A	9.05A	7.23A	9.12A	7.30A	9.20A	7.38A	9.27A	7.43A	9.33A	7.47A	9.39A	7.51A
Open-circuit Voltage(Voc)	38.85V	36.01V	39.15V	36.45V	39.48V	36.89V	39.84V	37.21V	40.15V	37.62V	40.63V	37.85V	40.91V	38.13V
Short-circuit Current(Isc)	9.51A	7.61A	9.58A	7.65A	9.65A	7.68A	9.72A	7.75A	9.79A	7.80A	9.85A	7.85A	9.91A	7.90A
Module Conversion Efficiency(STC)	17.33%		17.63%		17.94		18.24%		18.54%		18.85%		19.15%	
Maximum System Voltage	1000V/1500V													
Operating Temperature	-40°C~+85°C													
Temperature Coefficient(Pm)	-0.393%/°C													
Temperature Coefficient(Voc)	-0.31%/°C													
Temperature Coefficient(Isc)	0.041%/°C													
Cell Rated Operating Temperature(NOCT)	45±2°C													

STC : ☀️ Light intensity 1000W/m<sup>2</sup> 🌡️ Module temperature : 25°C 🌫️ Air quality : AM1.5  
 NOCT : ☀️ Light intensity 800W/m<sup>2</sup> 🌡️ Environment temperature : 20°C 🌫️ Air quality : AM1.5 🌬️ Wind speed : 1m/s



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