



* Concept Drawing



P-type High-Efficiency Monocrystal Bi-Facial Double Glass Modules
HTM290/295/300/305/310/315
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

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



Low LCOE

Double-sided power generation, single-sided price
 Maximize limited space, savings in BOS and labour cost



High Power Output

Bifacial power generation enhances power generation of the module
 The average power generation can increase up to 10% according to different installation environment



Low-light Performance

Relative low temperature coefficient and wide response spectrum
 guarantee higher power output in haze, cloudy and other low-light conditions



Load Capacity

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

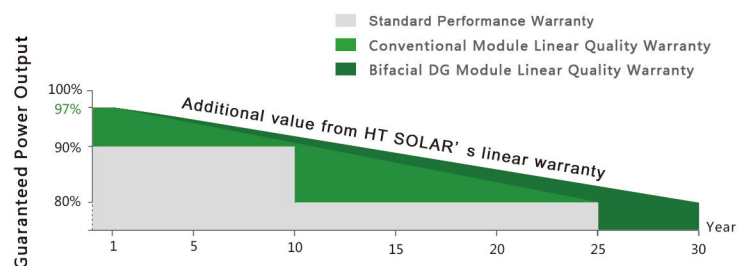


Wide Application

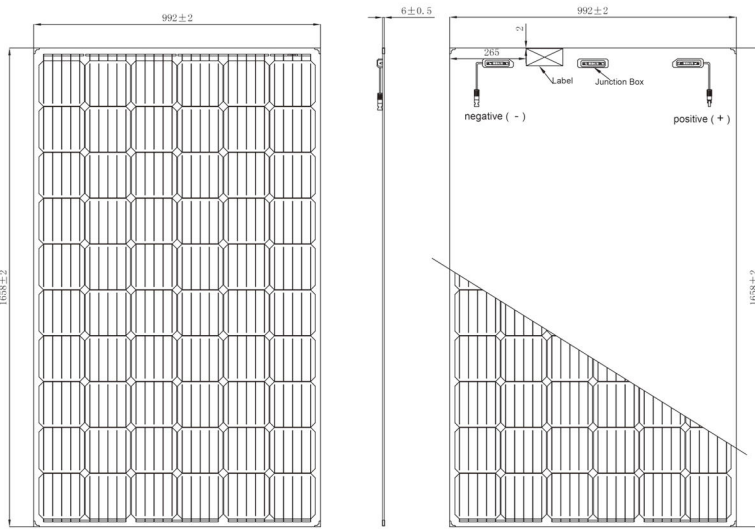
Widely used in BIPV, vertical installation, snow, high humidity and strong winds and sand zones, etc. and applicable to large-scale installation projects such as ground station, agricultural optics complementation, fishing and light complementation

Industry-leading Linear Power Warranty

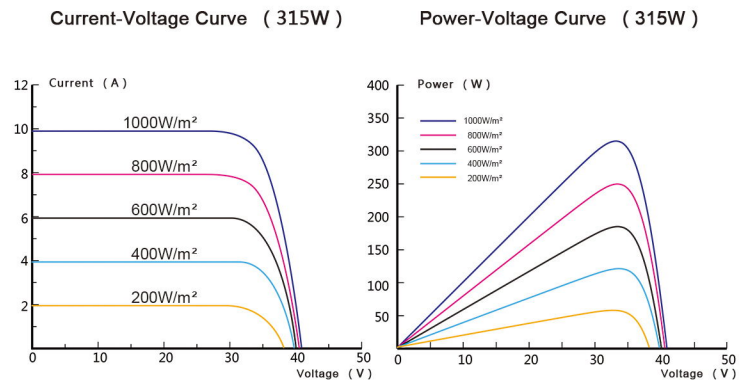
12-year product warranty•30-year linear power warranty



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	4.0mm² photovoltaic special cable
Connector	MC4 compatible connector

Electric Characteristics

Module Type	HTM290DMA-60		HTM295DMA-60		HTM300DMA-60		HTM305DMA-60		HTM310DMA-60		HTM315DMA-60	
	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back
Test Conditions												
Maximum Output Power(Pm)	290W	218W	295W	221W	300W	225W	305W	228W	310W	232W	315W	236W
Maximum Power Voltage(Vmp)	32.10V	27.70V	32.35V	27.80V	32.65V	28.27V	32.91V	28.40V	33.25V	28.60V	33.48V	28.82V
Maximum Power Current(Imp)	9.05A	7.89A	9.12A	7.95A	9.20A	7.96A	9.27A	8.03A	9.33A	8.11A	9.41A	8.19A
Open-circuit Voltage(Voc)	39.15V	34.50V	39.48V	34.80V	39.84V	35.10V	40.15V	35.80V	40.63V	36.20V	40.98V	36.58V
Short-circuit Current(Isc)	9.58A	8.43A	9.65A	8.46A	9.72A	8.55A	9.79A	8.62A	9.85A	8.68A	9.92A	8.72A
Module Conversion Efficiency(STC)	17.63%	13.25%	17.94%	13.44%	18.24%	13.68%	18.54%	13.86%	18.85%	14.11%	19.15%	14.35%
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/m² 🌡️ Module temperature : 25°C 🌫️ Air quality : AM1.5
 NOCT : ☀️ Light intensity 800W/m² 🌡️ Environment temperature : 20°C 🌫️ Air quality : AM1.5 🌬️ Wind speed : 1m/s



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