

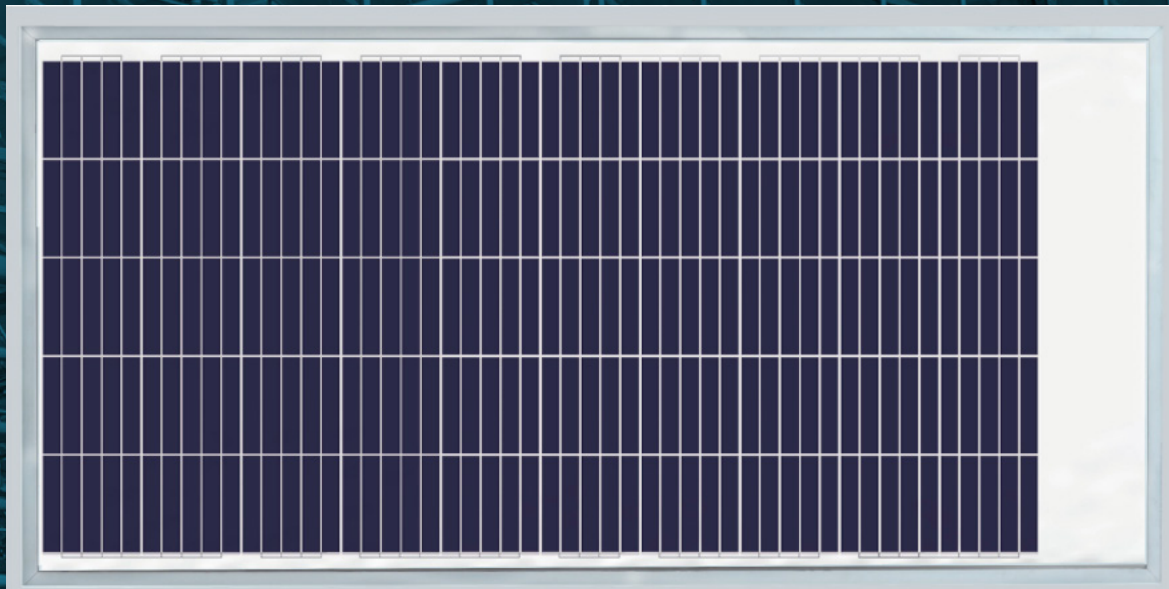
Glass Glass

4mm Frame

Powered by DT Solar

hortisolar

HTS265M-50G



Technology

High module conversion efficiency through superior manufacturing technology



Voltage resistance

Module can withstand the 1500V system voltage



PID Free

Excellent PID resistance according to IEC TS 62804-1



Performance

High performance under low light conditions (cloudy days, mornings and evenings)



Quality

Manufactured according to International Quality and Environmental Management



Value

Our vertically integrated business model allows for competitive pricing and great value



Power output

- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power
- Smart greenhouse cabling dc



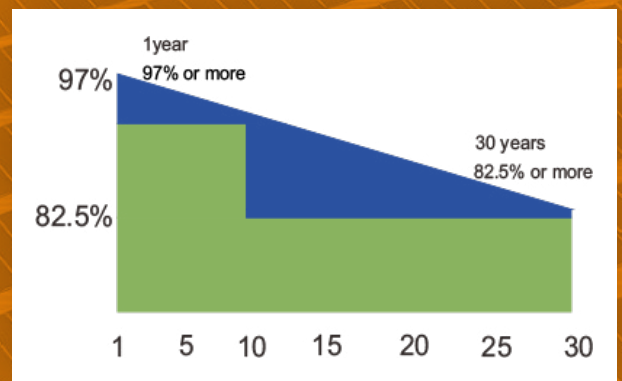
Visible Quality

- Durable, high quality
- Rigid construction: 5400Pa & 2400Pa rated assembly
- Dirt protection



Superior Manufacturing Quality Assurance

- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed



Warranty

- 15 Years Manufacturers Warranty
- Linear Power Output Warranty
- No less than 82,5% at year 30th



Electrical Specifications

STC

NOCT

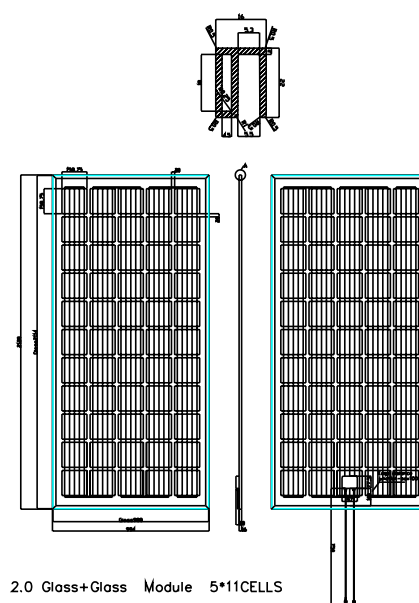
| | | |
|-----------------------------|----------------|--------|
| Module Type | HTS265M-50GG-4 | |
| Output tolerance | 0/+3% | |
| Bifaciality Factor | 70%±5% | |
| Maximum Rating Power (PM) | 265W | 197W |
| Module Efficiency | 12.57% | 12.57% |
| Open Circuit Voltage (Voc) | 33.10V | 30.60V |
| Maximum Power Voltage (VMP) | 27.70V | 26.04V |
| Short Circuit Current (ISC) | 10.06A | 8.42A |
| Maximum Power Current (IMP) | 9.57A | 7.57A |

Bifacial Gain

| | | |
|-----|----|------|
| 10% | PM | 308W |
| 20% | PM | 336W |
| 30% | PM | 364W |

Mechanical Gain

| | |
|----------------------------|----------------------------------|
| Cell Type | 158.75x158.75 mm |
| Cell Arrangement | 50 (5x10) |
| Module structure | Glass / POE / Glass |
| Glass thickness | 2.5mm / 2.6mm (front/back) |
| Application Class | Class A at IEC 61730 |
| Junction Box Rating | IP 68 |
| Cables (positive/Negative) | 550mm / 550mm / 4mm ² |
| Connector Type | MC4 / MC4 Compatible |
| Fire Rating Class | Class A |



Maximum Ratings

| | |
|----------------------------|---------------------------|
| Operating Temperature | -40°C WR +85°C |
| Maximum Load capacity | Snow 5400Pa / Wind 2400Pa |
| Maximum system Voltage | 1000V / 1500V DC(IEC) |
| Maximum series fuse rating | 20A |
| Number of diodes | 5 |

Packaging

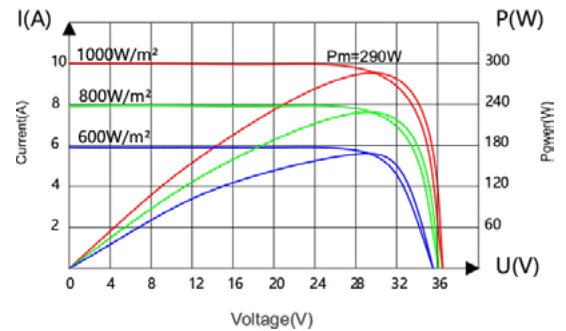
| | |
|----------------------------|-------------------|
| Module Dimensions | 2120x994x4mm |
| Weight | 17 Kg |
| Pallet Dimensions | 22455x1140x1170mm |
| Container | 40' HQ |
| Pieces per pallet | 33 |
| Pallets per container | 22 |
| Pieces per container | 561 |
| Gross Weight per Pallet | 622 Kg |
| Gross Weight per Container | 12342 Kg |

Temperature Characteristics

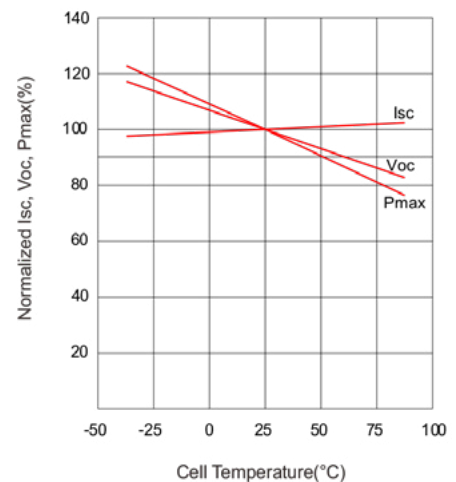
| | |
|---|------------|
| Nominal Module Operating Temperature (NMOT) | 42°C ± 3°C |
| Temperature Coefficient of Isc | +0.038%/°C |
| Temperature Coefficient of Voc | -0.270%/°C |
| Temperature Coefficient of Pmax | -0.365%/°C |

* STC irradiance of 1000W/m² spectrum AM 1.5 and cell temperature of 25 °C
NOCT irradiance of 800W/m² Ambient temperature 20 °C AM=1.5 Wind speed 1/m/s

Current-Voltage&Power-Voltage Curve(290W)



Temperature Dependence of Isc, Voc, Pmax(°C)





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