



Half-Cell SERIES

# HTM305~325MH-60

Half-Cell Monocrystalline Silicon PV Modules



### HIGH OUTPUT POWER

Output power is higher than the same type of conventional monocrystalline modules



### ANTI-PID CHARACTERISTICS

Ensure large-scale production of half-cell monocrystalline modules pass PID test



### HOT-SPOT EFFECT

Excellent hot-spot immunity, can effectively avoid the power loss caused by shadow coverage, significantly extend life span



### LOAD CAPACITY

Certified to withstand: wind load(2400 Pascal)and snow load(5400 Pascal)

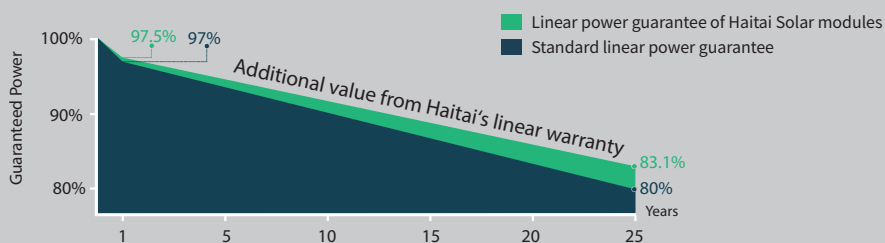


### HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

## LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



## Mechanical Data

Cell Type	156.75×78.375mm Mono
Cell Orientation	120(6×20)
Module Dimensions	1675×992×35mm
Weight	19.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 300 mm negative pole: 400 mm wire length can be customized
Connector	MC4 compatible connector

# HTM305~325MH-60

## Half-Cell Monocrystalline Silicon PV Modules

## Electrical Data (STC)

Maximum Power (Pmax/W)	305	310	315	320	325
Voltage at Maximum Power (Vmp/V)	33.23	33.52	33.80	34.08	34.36
Current at Maximum Power (Imp/A)	9.18	9.25	9.32	9.39	9.46
Open Circuit Voltage (Voc/V)	40.14	40.62	40.99	41.39	41.79
Short Circuit Current (Isc/A)	9.73	9.79	9.85	9.91	9.97
Module Efficiency (%)	18.36	18.66	18.96	19.26	19.56

## Electrical Data (NMOT)

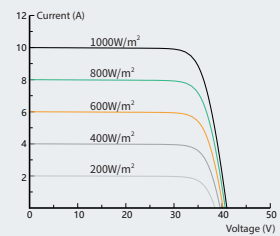
Maximum Power (Pmax/W)	226	229	232	235	238
Voltage at Maximum Power (Vmp/V)	30.80	30.95	31.10	31.26	31.40
Current at Maximum Power (Imp/A)	7.34	7.40	7.46	7.52	7.58
Open Circuit Voltage (Voc/V)	37.61	37.84	37.91	38.07	38.26
Short Circuit Current (Isc/A)	7.84	7.91	7.98	8.05	8.12

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

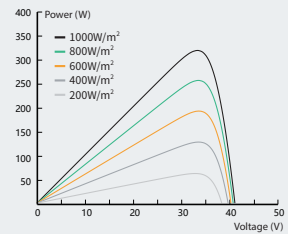
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

## I-V Curve

Current-Voltage Curve(325W)



Power-Voltage Curve(325W)



## Temperature Coefficients

Temperature Coefficient (Pm)	-0.360%/°C
Temperature Coefficient (Voc)	-0.290%/°C
Temperature Coefficient (Isc)	0.050%/°C

## Operating Parameters

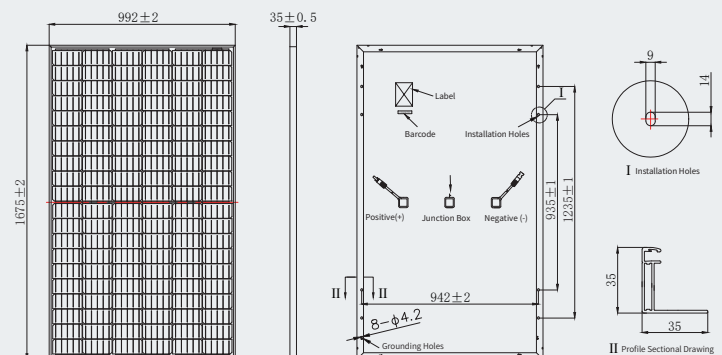
Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Module Operating Temperature)	41±3°C

## Packaging

Modules Per Pallet: 31+31pcs/31+31+4 pcs

Modules Per 40'HQ Container: 806pcs/858 pcs

## Module Dimensions (mm)



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\*Due to continuous innovation, R & D and product improvement, Haitai Solar has the right to adjust the specs on this datasheet at any time without prior notice.