



## Half-Cell SERIES

# HTM 285~295 MH-60

# HTM 315~325 MH-60

### HALF-CELL MONOCRYSTALLINE SILICON PV MODULES



#### 5 BUSBAR HALF-CELLS

Innovative half-cutting cell technology, lower internal current, lower internal resistance loss



#### 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

Low hot spot temperature, higher safety performance



#### LOAD CAPACITY

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

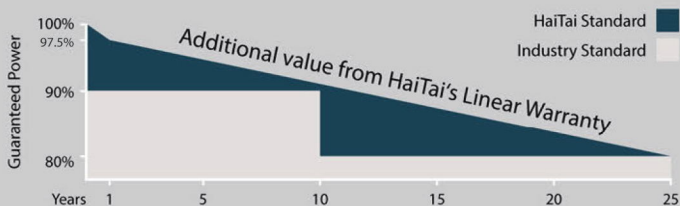


#### HARSH ENVIRONMENT ADAPTATION

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	156.75x78.375mm Mono
Cell	120 (6x20)
Module Dimensions	1675x992x35mm
Weight	19.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP67
Cable	4.0mm <sup>2</sup> photovoltaic special cable
Connector	MC4 compatible connector

# HTM 285~295 MH-60 HTM 315~325 MH-60

HALF-CELL MONOCRYSTALLINE SILICON  
PV MODULES

## Electrical Data (STC)

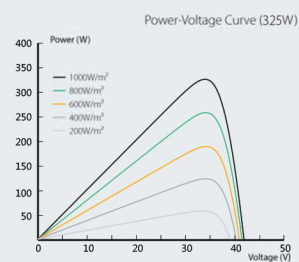
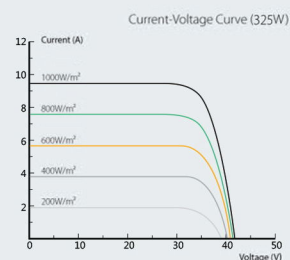
Maximum Power (P <sub>max</sub> /W)	285	290	295	315	320	325
Voltage at Maximum Power (V <sub>mp</sub> /V)	32.03	32.33	32.64	33.80	34.08	34.36
Current at Maximum Power (I <sub>mp</sub> /A)	8.90	8.97	9.04	9.32	9.39	9.46
Open Circuit Voltage (V <sub>oc</sub> /V)	38.84	39.14	39.47	40.99	41.39	41.79
Short Circuit Current (I <sub>sc</sub> /A)	9.45	9.54	9.61	9.85	9.91	9.97
Module Efficiency (%)	17.15	17.45	17.75	18.96	19.26	19.56

## Electrical Data (NMOT)

Maximum Power (P <sub>max</sub> /W)	210	214	218	232	235	238
Voltage at Maximum Power (V <sub>mp</sub> /V)	29.58	29.89	30.20	31.10	31.26	31.40
Current at Maximum Power (I <sub>mp</sub> /A)	7.10	7.16	7.22	7.46	7.52	7.58
Open Circuit Voltage (V <sub>oc</sub> /V)	35.99	36.44	36.88	37.91	38.07	38.26
Short Circuit Current (I <sub>sc</sub> /A)	7.56	7.63	7.70	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): Ambient Temperature 20°C, Wind Speed 1m/s.

## I-V Curve



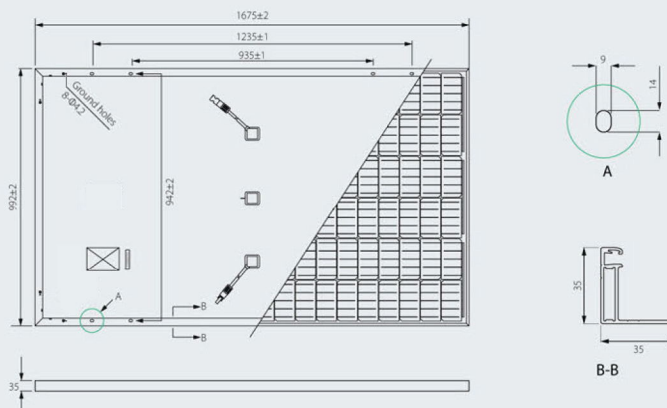
## Temperature

Temperature Coefficient (P <sub>m</sub> )	-0.393%/°C
Temperature Coefficient (V <sub>oc</sub> )	-0.287%/°C
Temperature Coefficient (I <sub>sc</sub> )	0.024%/°C

## Operating Parameters

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

## Module Dimensions (mm)



## Packaging

Modules Per Pallet: 31+31+4 pcs  
Modules Per 40'HQ Container: 858 pcs

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