

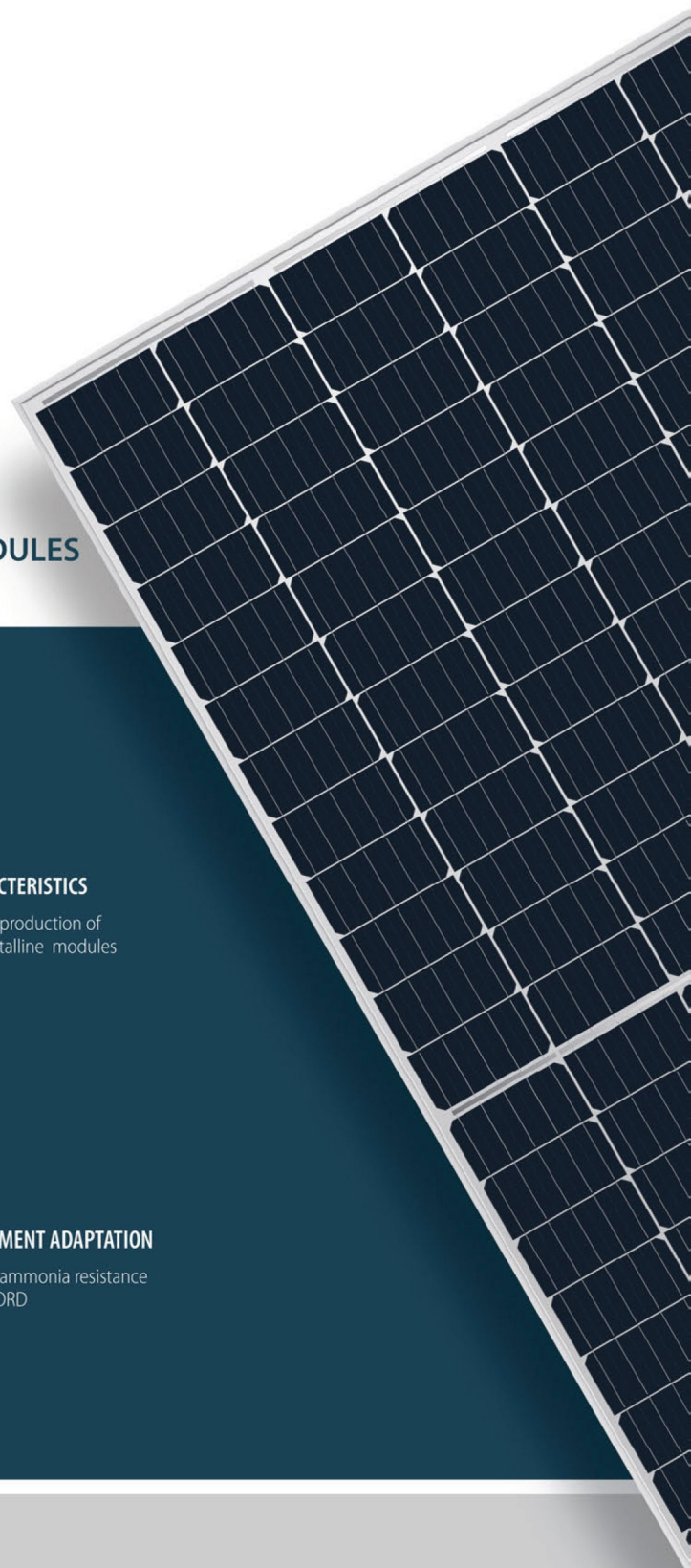


## Half-Cell SERIES

# HTM 345~355 MH-72

# HTM 370~390 MH-72

### 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)

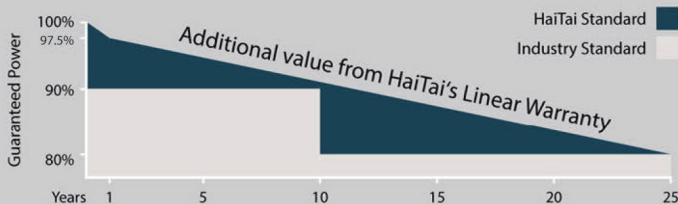


#### HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV NORD

## LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



## Mechanical Data

Cell Type	156.75x78.375mm Mono
Cell	144 (6x24)
Module Dimensions	1997x992x40mm
Weight	22.0kg
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

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HALF-CELL MONOCRYSTALLINE SILICON  
PV MODULES

## Electrical Data (STC)

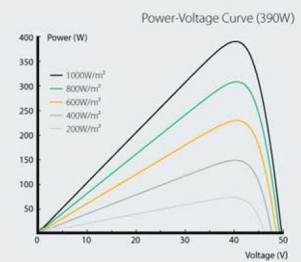
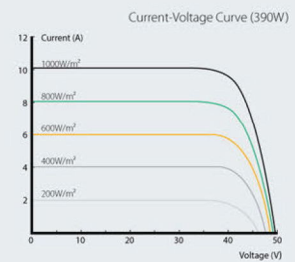
Maximum Power (P <sub>max</sub> /W)	345	350	355	370	375	380	385	390
Voltage at Maximum Power (V <sub>mp</sub> /V)	38.64	38.89	39.15	39.88	40.11	40.34	40.57	40.80
Current at Maximum Power (I <sub>mp</sub> /A)	8.93	9.00	9.07	9.28	9.35	9.42	9.49	9.56
Open Circuit Voltage (V <sub>oc</sub> /V)	46.80	47.00	47.42	48.35	48.75	49.06	49.35	49.65
Short Circuit Current (I <sub>sc</sub> /A)	9.44	9.51	9.58	9.79	9.86	9.93	10.00	10.07
Module Efficiency (%)	17.42	17.67	17.92	18.68	18.93	19.18	19.43	19.69

## Electrical Data (NMOT)

Maximum Power (P <sub>max</sub> /W)	255	259	262	274	278	282	286	290
Voltage at Maximum Power (V <sub>mp</sub> /V)	35.62	35.82	35.94	36.69	36.92	37.16	37.39	37.62
Current at Maximum Power (I <sub>mp</sub> /A)	7.16	7.24	7.29	7.47	7.53	7.59	7.65	7.71
Open Circuit Voltage (V <sub>oc</sub> /V)	43.53	43.83	44.01	45.13	45.19	45.45	45.69	45.94
Short Circuit Current (I <sub>sc</sub> /A)	7.61	7.68	7.75	7.96	8.03	8.10	8.17	8.24

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



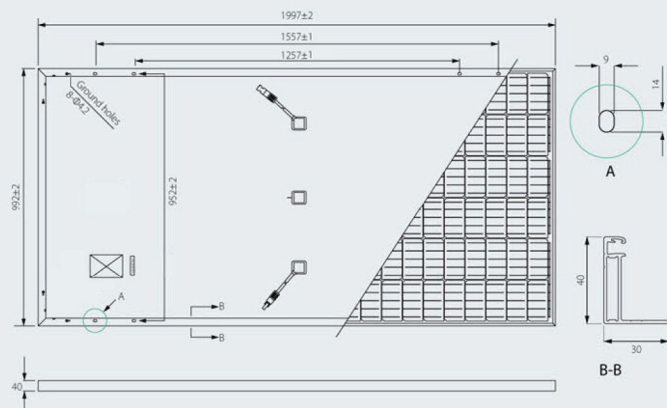
## Temperature

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:	27+27+4 pcs
Modules Per 40'HQ Container:	638 pcs



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