



Half-Cell SERIES

HTM390~410MH2-72

Half-cell Monocrystalline Silicon PV Module



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)

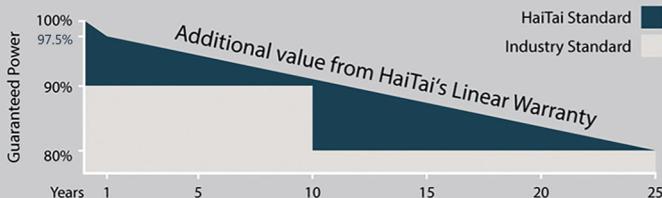


HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

LINEAR PERFORMANCE WARRANTY

12 years Product Warranty / 25 years Linear Power Warranty



Mechanical Data

Cell Type	158.75x79.375mm Mono
Cell	144(6x24)
Module Dimension	2008x1002x40mm
Weight	22.5kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP67
Cable	4.0mm ² photovoltaic special cable
Connector	MC4 compatible connector

HTM390~410MH2-72

Half-cell Monocrystalline Silicon PV Module

Electrical Data (STC)

Maximum Power (Pmax/W)	390	395	400	405	410
Voltage at Maximum Power (Vmp/V)	40.42	40.65	40.87	41.09	41.29
Current at Maximum Power (Imp/A)	9.65	9.72	9.79	9.86	9.93
Open Circuit Voltage (Voc/V)	48.64	48.92	49.21	49.48	49.76
Short Circuit Current (Isc/A)	10.15	10.22	10.29	10.36	10.43
Module Efficiency (%)	19.38	19.63	19.88	20.13	20.38

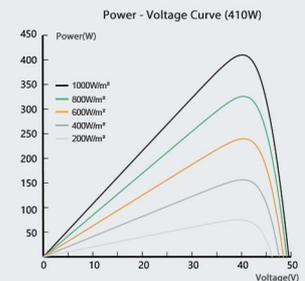
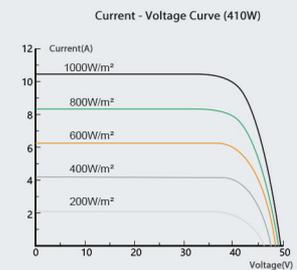
Electrical Data (NMOT)

Maximum Power (Pmax/W)	290	294	298	302	306
Voltage at Maximum Power (Vmp/V)	38.12	38.44	38.76	39.08	39.39
Current at Maximum Power (Imp/A)	7.61	7.65	7.69	7.73	7.77
Open Circuit Voltage (Voc/V)	46.33	46.73	47.14	47.54	47.94
Short Circuit Current (Isc/A)	8.13	8.17	8.21	8.25	8.29

STC(Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

NMOT(Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

I-V Curve



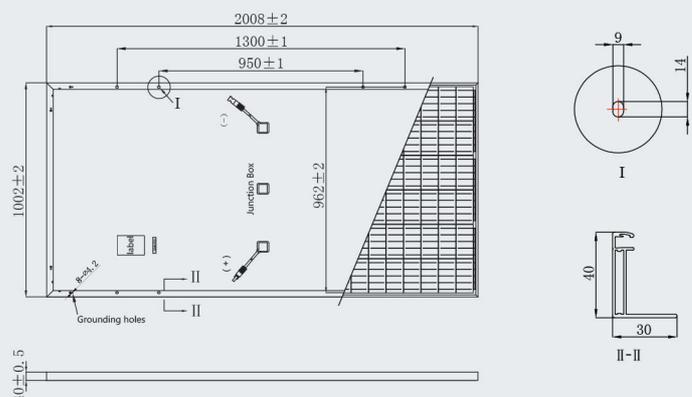
Temperature Coefficients

Temperature Coefficient (Pm)	-0.393%/°C
Temperature Coefficient (Voc)	-0.287%/°C
Temperature Coefficient (Isc)	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 pcs
Modules per 40' HQ Container:	11 pallets, 594 pcs



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