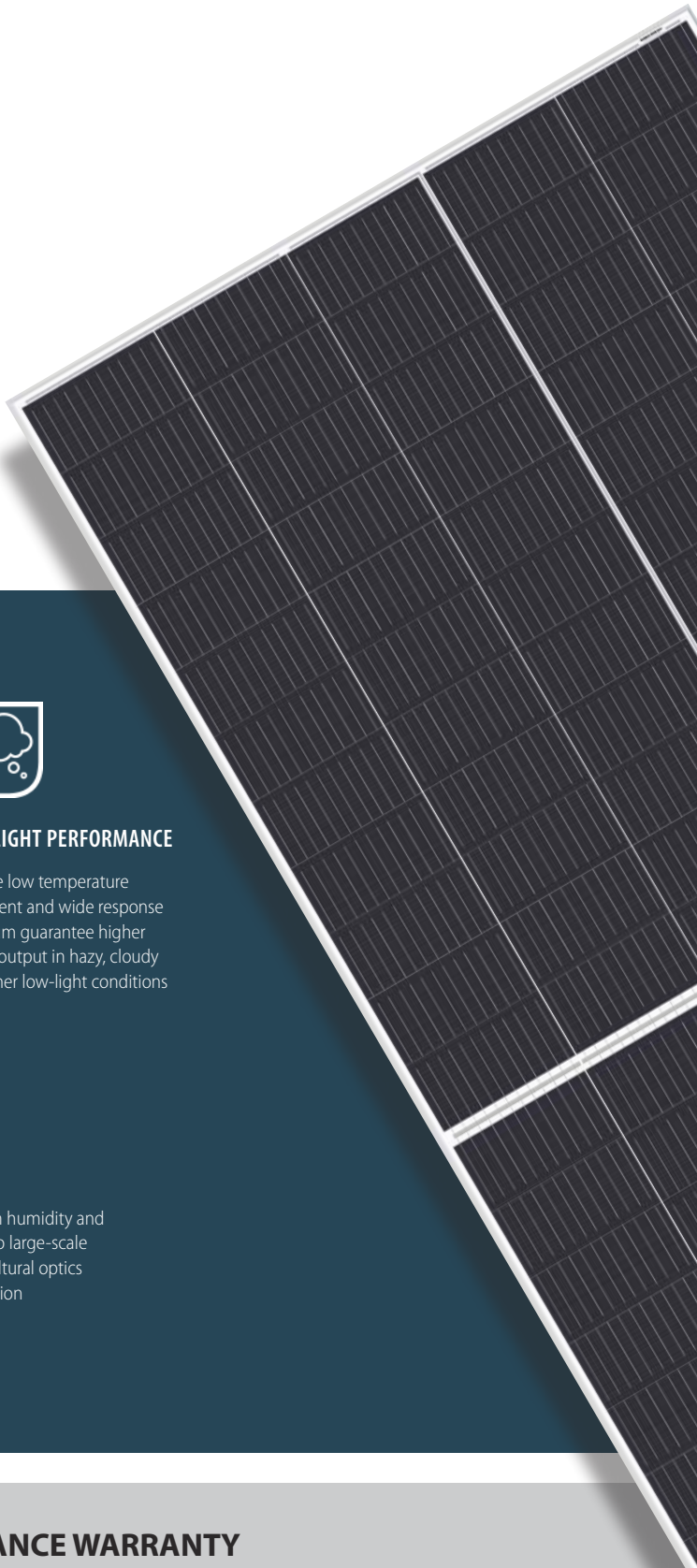
Haitai Solar

Half-Cell SERIES

HTM535~560MH8-55

Half-Cell Monocrystalline Silicon PV Modules



560W

HIGH EFFICIENCY

Module power reaches 560W
Module efficiency reaches 21.43%

LOW COST PER KILOWATT HOUR

Effectively reduce system BOS cost, achieve lower cost per kilowatt hour, and increase project profitability

LOW-LIGHT PERFORMANCE

Relative low temperature coefficient and wide response spectrum guarantee higher power output in hazy, cloudy and other low-light conditions

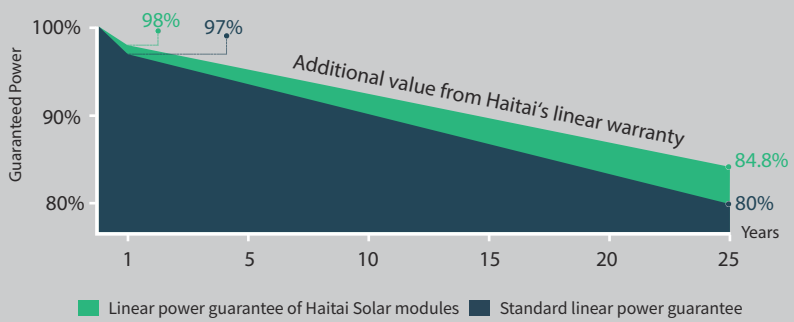
LOAD CAPACITY

Entire module certified to withstand high wind loads (2400 Pascal)and snow loads(5400 Pascal)

WIDE APPLICATION

Widely used in BIPV, vertical installation, snow, high humidity and strong winds and sand zones, etc. and applicable to large-scale installation projects such as ground station, agricultural optics complementation, fishing and light complementation

LINEAR PERFORMANCE WARRANTY



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

Linear attenuation of 0.55% per year within 25 years

TIER1 Bloomberg New Energy Finance

Mechanical Data

Cell Type	210×105mm Mono
Cell Orientation	110(5×22)
Module Dimensions	2384×1096×35mm
Weight	29.0kg
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^2 positive pole: 300 mm negative pole: 400 mm wire length can be customized
Connector	MC4 compatible connector

HTM535~560MH8-55

Half-Cell Monocrystalline Silicon PV Modules

Electrical Data (STC)

Maximum Power (Pmax/W)	535	540	545	550	555	560
Open Circuit Voltage (Voc/V)	37.29	37.49	37.69	37.89	38.09	38.29
Short Circuit Current (Isc/A)	18.35	18.40	18.47	18.52	18.57	18.61
Voltage at Maximum Power (Vmp/V)	30.99	31.19	31.39	31.59	31.79	31.99
Current at Maximum Power (Imp/A)	17.27	17.32	17.37	17.41	17.46	17.51
Module Efficiency (%)	20.48	20.67	20.86	21.05	21.24	21.43

Electrical Data (NMOT)

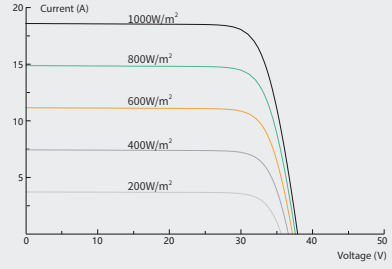
Maximum Power (Pmax/W)	405	409	413	417	421	425
Open Circuit Voltage (Voc/V)	35.09	35.29	35.49	35.69	35.89	36.09
Short Circuit Current (Isc/A)	14.80	14.84	14.88	14.93	14.98	15.03
Voltage at Maximum Power (Vmp/V)	28.69	28.89	29.09	29.29	29.49	29.69
Current at Maximum Power (Imp/A)	14.12	14.16	14.20	14.24	14.28	14.32

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

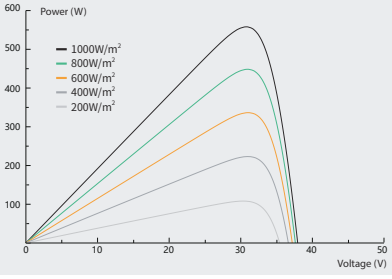
NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

I-V Curve

Current-Voltage Curve(560W)



Power-Voltage Curve(560W)



Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%°C
Temperature Coefficient (Voc)	-0.250%°C
Temperature Coefficient (Isc)	0.040%°C

Operating Parameters

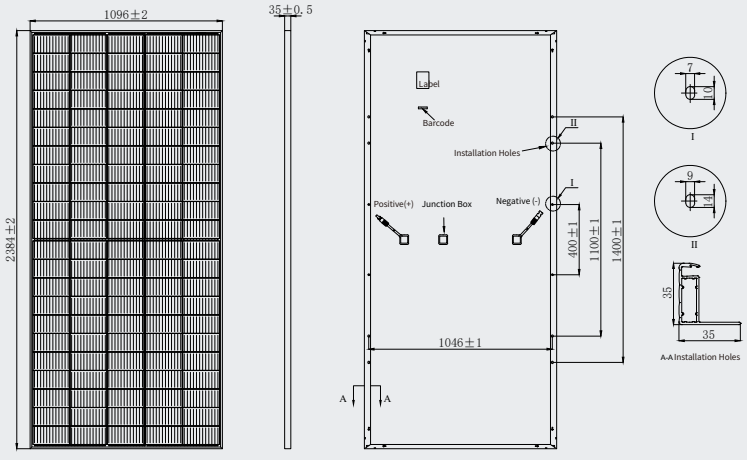
Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

Packaging

Modules Per Pallet: 31+31pcs

Modules Per 40'HQ Container: 868pcs

Module Dimensions (mm)



*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.

Haitai Solar

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