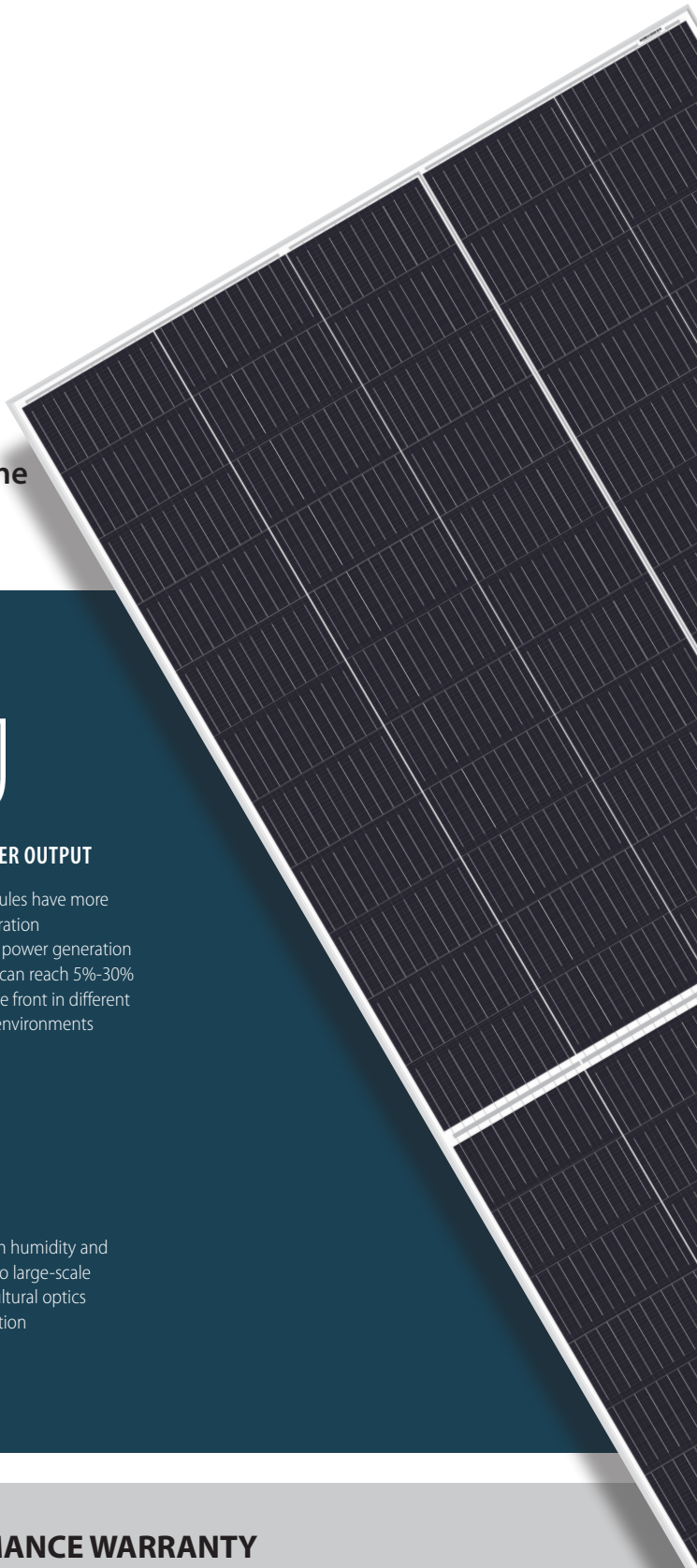
Haitai Solar

DG Bifacial SERIES

HTM535~560DMH8-55

Double-Glass Bifacial Half-Cell Monocrystalline Solar Modules



LOW LCOE

Double-sided power generation, single-sided price Maximize limited space, savings in BOS and labour cost

LOW-LIGHT PERFORMANCE

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

HIGH POWER OUTPUT

Bifacial modules have more power generation
The average power generation on the back can reach 5%-30% of that on the front in different installation environments

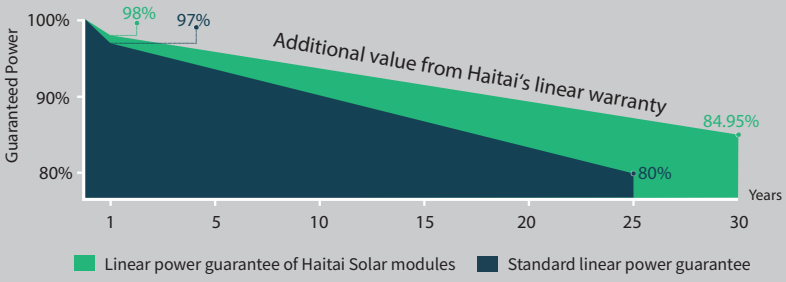
LOAD CAPACITY

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 / 30-year linear power warranty

Linear attenuation of 0.45% per year within 30 years

TIER1 Bloomberg New Energy Finance

Mechanical Data

Cell Type	210×105mm Mono
Cell Orientation	110(5×22)
Module Dimensions	2384×1096×35mm
Weight	33.5kg
Glass	2.0mm high transmittance, reinforced glass
Backsheet	2.0mm part of the structure is grid-like white ceramic glass
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

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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

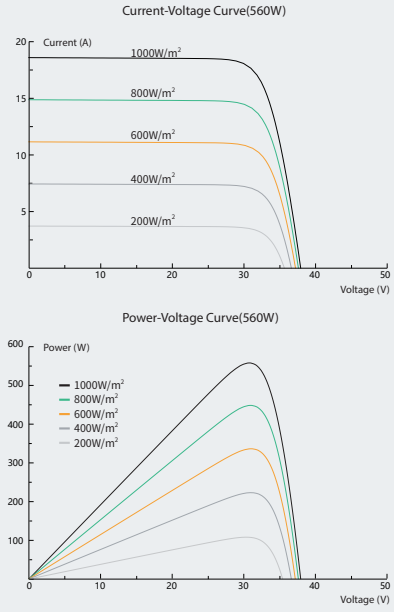
STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C, AM1.5

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

Bifacial Power Generation Parameters (backside gains)

5%	Maximum Power (Pmax/W)	457	462	467	473	478
	Module Efficiency (%)	21.10	21.34	21.58	21.83	22.07
15%	Maximum Power (Pmax/W)	500	506	512	518	523
	Module Efficiency (%)	23.11	23.37	23.64	23.91	24.17
25%	Maximum Power (Pmax/W)	544	550	556	563	569
	Module Efficiency (%)	25.12	25.41	25.70	25.98	26.27

I-V Curve



Temperature Coefficients

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

Operating Parameters

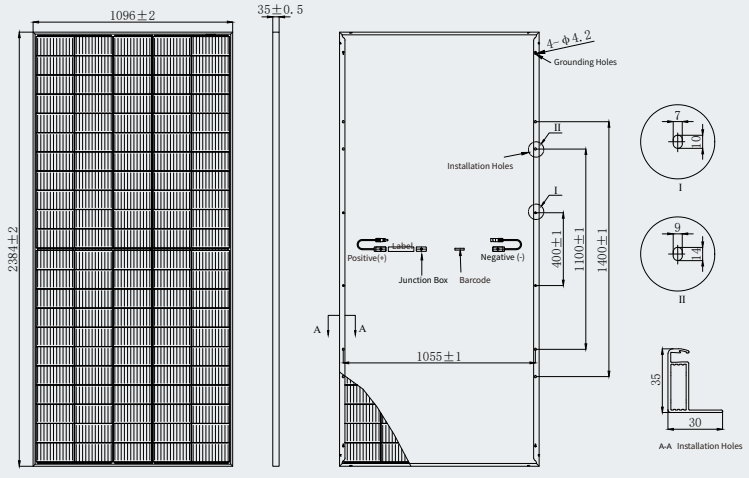
Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

Packaging

Modules Per Pallet: 31+31pcs

Modules Per 40'HQ Container: 806pcs

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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