Haitai Solar

TARZAN

HTM-TSA-330M1~345M1

Ultra-high efficient plate-interconnection monocrystalline PV module

ULTRA-HIGH POWER OUTPUT

Maximum power output can be increased by 15% compared with the standard modules when solar cells with the same efficiency are used

HOT-SPOT IMMUNITY

Excellent hot-spot immunity, can effectively avoids the power loss caused by shadow coverage, significantly extends life span

DURABILITY AND RELIABILITY ENHANCEMENTS

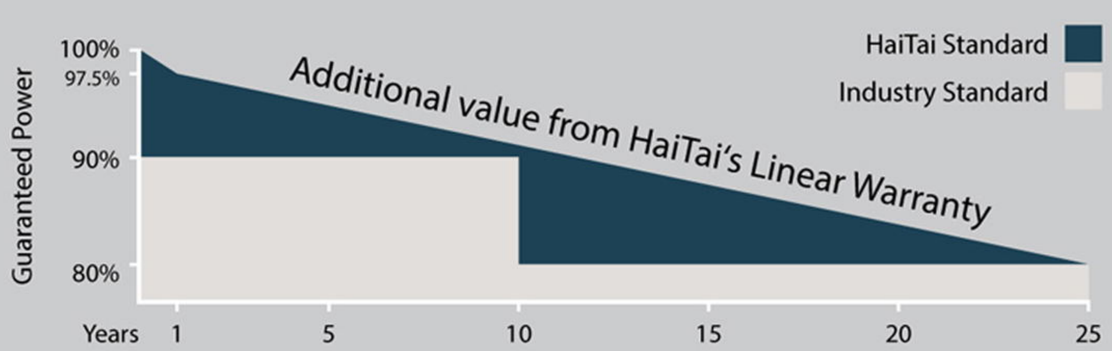
Microcrack free, easy installation, power generating capacity is more secured

LOW LCOE

Savings in BOS and labour cost

LINEAR PERFORMANCE WARRANTY

12 years Product Warranty / 25 years Linear Power Warranty



Mechanical Data

Cell Type	156.75mm Mono
Module Dimension	1762x983x35mm
Weight	19.5kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP67
Cable	4.0mm² photovoltaic special cable
Connector	MC4 compatible connector

HTM-TSA-330M1~345M1

Ultra-high efficient plate-interconnection monocrystalline PV module

Electrical Data (STC)

Maximum Power (Pmax/W)	330	335	340	345
Voltage at Maximum Power (Vmp/V)	36.68	36.86	37.05	37.23
Current at Maximum Power (Imp/A)	9.00	9.09	9.18	9.27
Open Circuit Voltage (Voc/V)	43.72	43.98	44.23	44.45
Short Circuit Current (Isc/A)	9.45	9.54	9.63	9.72
Module Efficiency (%)	19.05	19.34	19.63	19.92

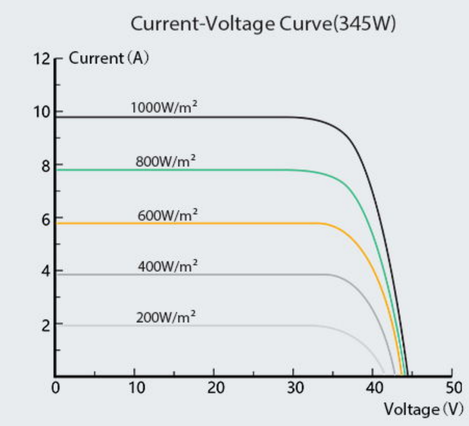
Electrical Data (NMOT)

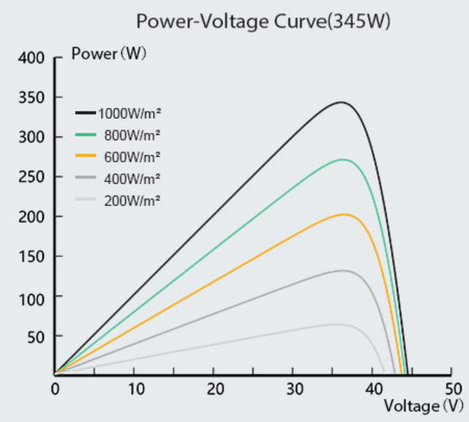
Maximum Power (Pmax/W)	245	249	252	256
Voltage at Maximum Power (Vmp/V)	32.92	32.95	32.99	33.02
Current at Maximum Power (Imp/A)	7.45	7.56	7.66	7.75
Open Circuit Voltage (Voc/V)	40.19	40.23	40.27	40.31
Short Circuit Current (Isc/A)	7.83	7.91	7.99	8.07

STC(Standard Testing Condittions): Irradiance 1000W/m², Cell Temperature 25℃, AM1.5

NMOT(Nominal Moudule Operating Temperature): Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1m/S

I-V Curve

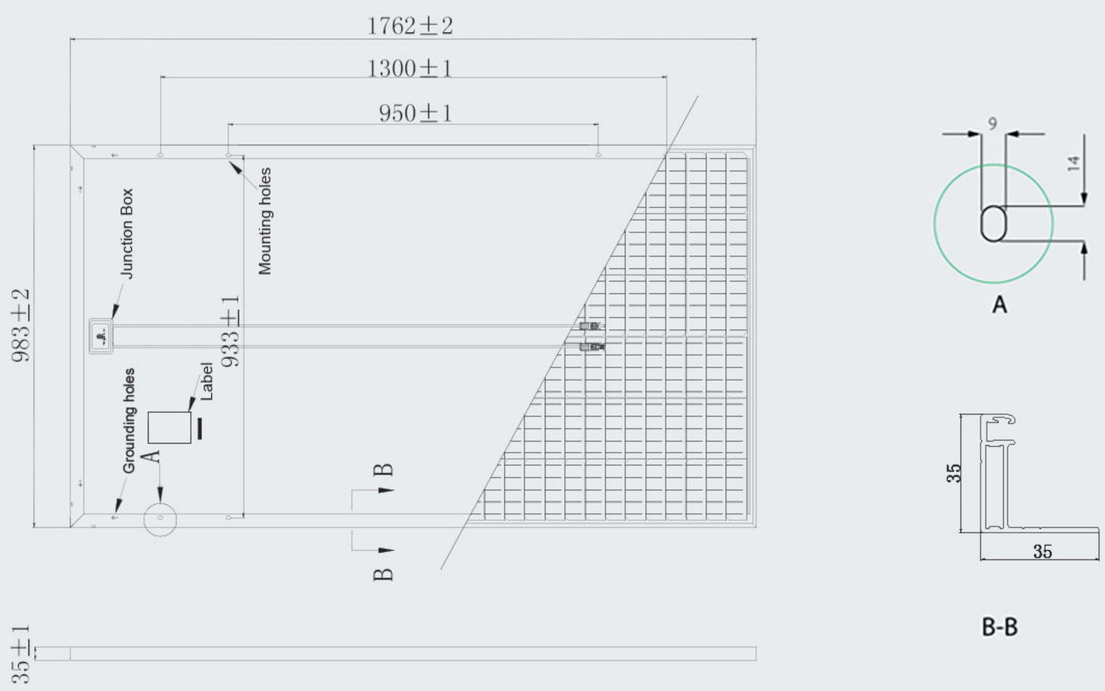




Temperature Coefficients

Temperature Coefficient (Pm)	-0.244%℃
Temperature Coefficient (Voc)	-0.309%℃
Temperature Coefficient (Isc)	0.047%℃

Module Dimensions (mm)



Operating Parameters

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

Packaging

Modules per Pallet: 31+31+4 pcs

Modules per 40' HQ Container: 12 pallets, 792 pcs

Haitai Solar

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