



TARZAN SERIES

HTM-TSA-300P1~320P1

Ultra-high efficient plate-interconnection polycrystalline 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 avoid 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

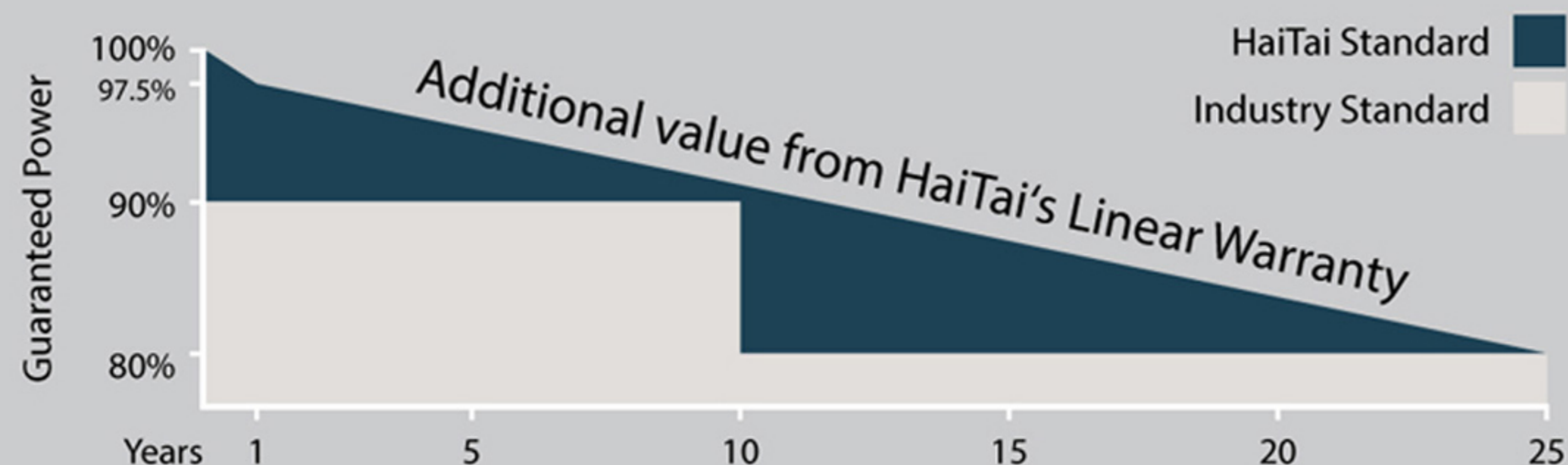


SELF-CLEANING COATING

Advanced self-cleaning coating, dramatically reduces the maintenance cost and increases the power generating capacity at the same time

LINEAR PERFORMANCE WARRANTY

10 years Product Warranty / 25 years Linear Power Warranty



Mechanical Data

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	4.0mm ² photovoltaic special cable
Connector	MC4 compatible connector

HTM-TSA-300P1~320P1

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Electrical Data (STC)

Maximum Power (P _{max} /W)	300	305	310	315	320
Voltage at Maximum Power (V _{mp} /V)	35.22	35.51	35.80	36.09	36.37
Current at Maximum Power (I _{mp} /A)	8.52	8.59	8.66	8.73	8.80
Open Circuit Voltage (V _{oc} /V)	42.11	42.31	42.66	43.01	43.37
Short Circuit Current (I _{sc} /A)	8.99	9.06	9.13	9.20	9.27
Module Efficiency (%)	17.32	17.61	17.90	18.19	18.48

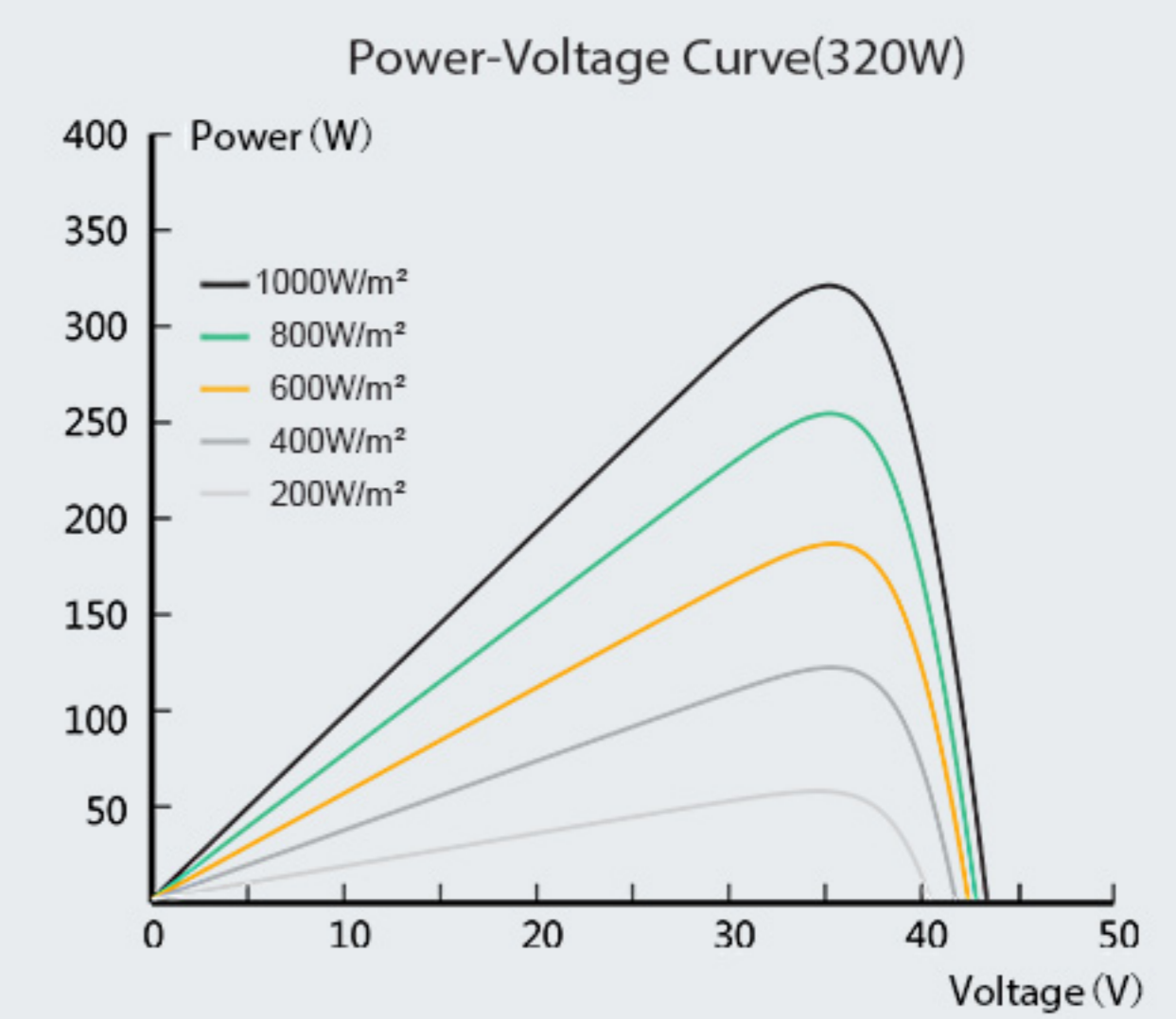
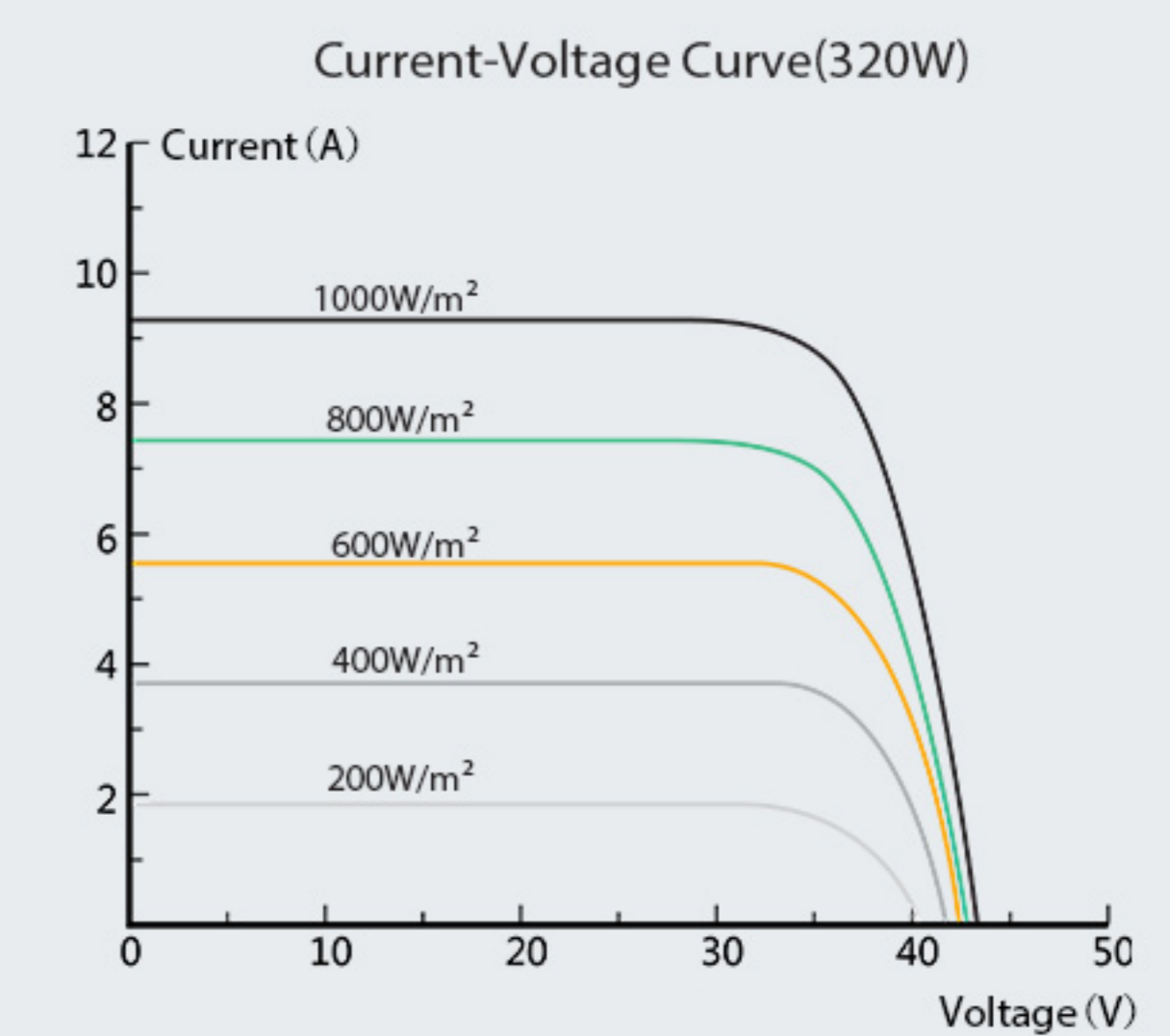
Electrical Data (NMOT)

Maximum Power (P _{max} /W)	222	226	230	234	238
Voltage at Maximum Power (V _{mp} /V)	31.15	31.18	31.21	31.24	31.28
Current at Maximum Power (I _{mp} /A)	7.16	7.27	7.39	7.51	7.63
Open Circuit Voltage (V _{oc} /V)	38.86	38.90	38.94	38.98	39.02
Short Circuit Current (I _{sc} /A)	7.61	7.69	7.76	7.84	7.92

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



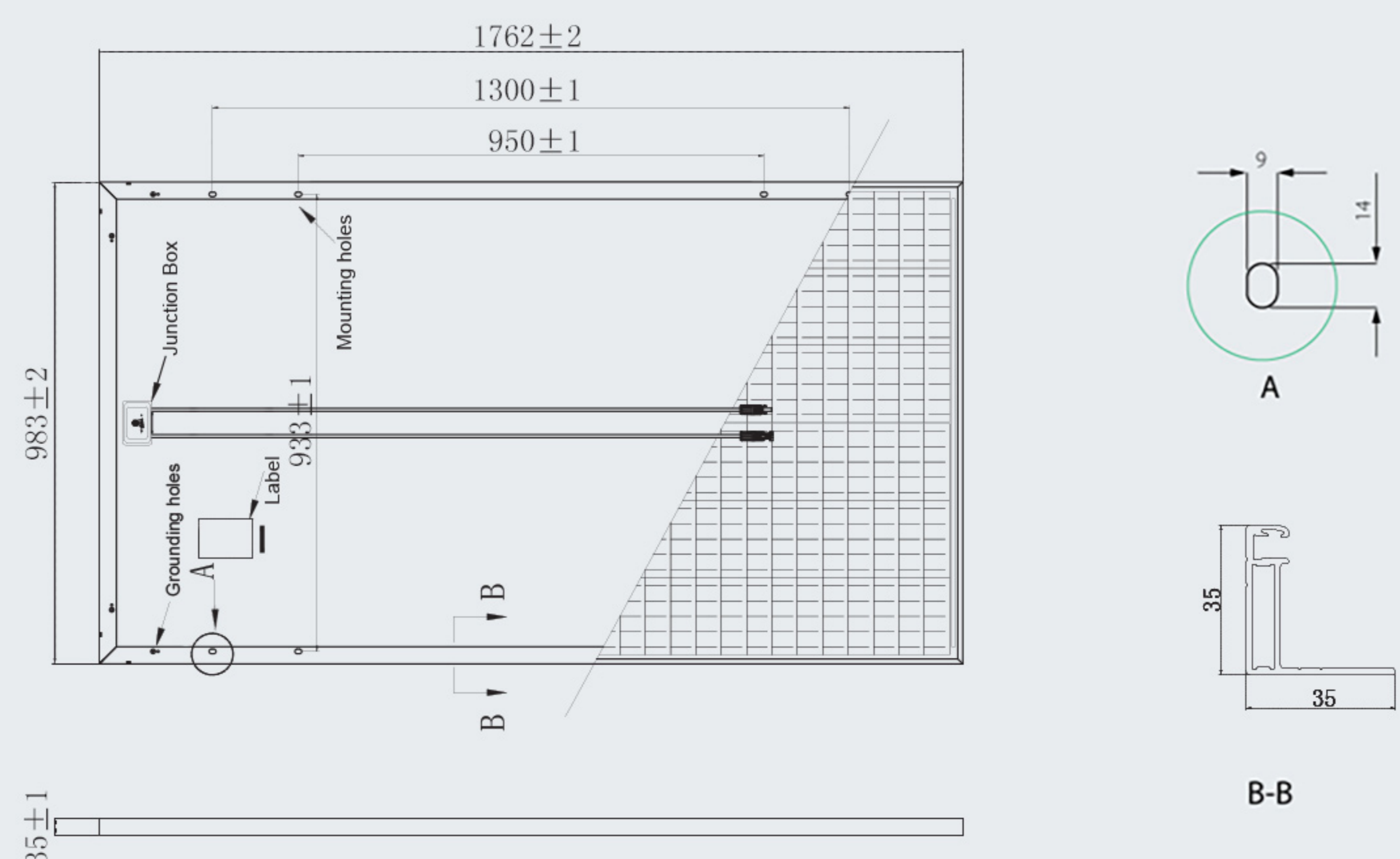
Temperature Coefficients

Temperature Coefficient (P _m)	-0.365%/°C
Temperature Coefficient (V _{oc})	-0.303%/°C
Temperature Coefficient (I _{sc})	0.059%/°C

Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C~+85°C
NMOT(Nominal Module Operating Temperature)	42±3°C

Module Dimensions (mm)



Packaging

Modules per Pallet: 31+31+4 pcs
 Modules per 40' HQ Container: 12 pallets, 792 pcs

Haitai Solar

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