

Bifacial Double Glass DBC Module (Black Pro)

PB-DH108TD-485
PB-DH108TD-490
PB-DH108TD-495
PB-DH108TD-500
PB-DH108TD-505



Key Features



High Efficiency

Leading module efficiency in industry, up to 24.7%



Excellent Appearance and Performance

Front without busbars design, low risk of micro-crack



High Reliability

Passed 3*IEC standard test, 25 years materials warranty, 30 years power warranty



High power generation

Higher power generation and lower BOS cost than conventional modules



Better temperature coefficient

Nominal Max. Power(Pmax) is as low as -0.260%/°C, improving the power generation efficiency of the modules



Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output	Maximum Module Efficiency	Power Binning
505W	24.7%	0~+5W

Product and Quality Certifications

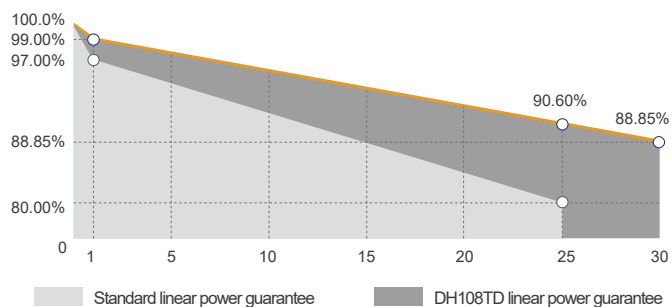
IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

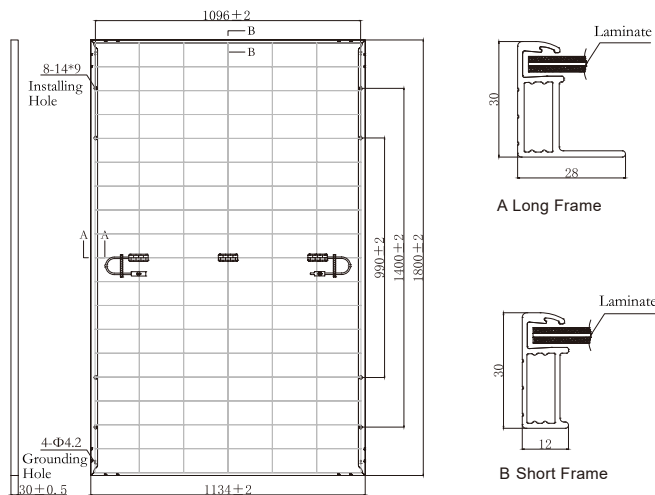
Safety Class: Class II Fire Safety: Class C



Leading product and power warranty

1.00% 1st-year Degradation 0.35% Annual Degradation 25 Materials and workmanship warranty 30 Linear power warranty

Engineering Drawing (mm)



Electrical Parameters (BSI *)

Isc-BSI (±5%)	18.37	18.49	18.61	18.73	18.85
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BSI: front irradiance=1000W/m², rear irradiance=300W/m²

Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)±3%	485	490	495	500	505
Open Circuit Voltage(Voc/V)±3%	40.45	40.56	40.66	40.77	40.88
Short Circuit Current(Isc/A)±5%	15.18	15.28	15.38	15.48	15.58
Operating Voltage(Vmp/V)	33.64	33.75	33.86	33.97	34.08
Operating Current(Imp/A)	14.42	14.52	14.62	14.72	14.82
Efficiency(%)	23.8	24.0	24.3	24.5	24.7

STC *: Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Electrical Parameters (NMOT *)

Nominal Max. Power(Pmax/W)±3%	371	375	378	382	386
Open Circuit Voltage(Voc/V)±3%	38.94	39.04	39.14	39.25	39.35
Short Circuit Current(Isc/A)±5%	12.25	12.33	12.41	12.49	12.57
Operating Voltage(Vmp/V)	31.88	31.98	32.09	32.19	32.29
Operating Current(Imp/A)	11.63	11.71	11.80	11.88	11.96

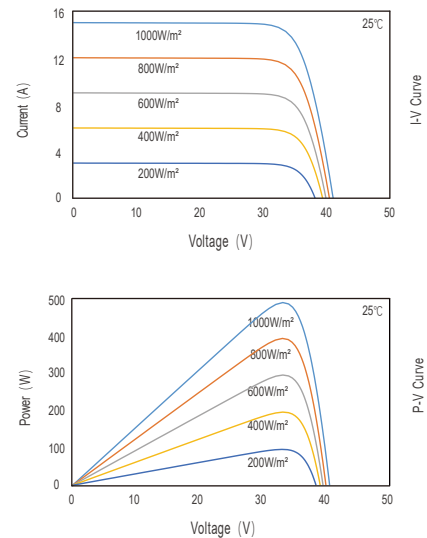
NMOT *: Irradiance = 800 W/m², Ambient Temperature = 20°C, AM = 1.5,
Wind Speed = 1 m/s
Test condition is based on the front side

Electrical Parameters (BNPI *)

Nominal Max. Power(Pmax/W)±3%	530	535	540	545	550
Open Circuit Voltage(Voc/V)±3%	40.45	40.56	40.66	40.77	40.88
Short Circuit Current(Isc/A)±5%	16.61	16.72	16.83	16.94	17.05
Operating Voltage(Vmp/V)	33.64	33.75	33.86	33.97	34.08
Operating Current(Imp/A)	15.78	15.89	16.00	16.11	16.22

BNPI *: front irradiance=1000W/m², rear irradiance=135W/m²,
Cell Temperature = 25°C, AM = 1.5
Pmax bifaciality coefficient 70±5%, Voc bifaciality coefficient 95±5%
Isc bifaciality coefficient 70±5%

Characteristic Curves(495W)



Mechanical Parameters

Cell Type	N Type
Module Size	1800×1134×30mm
Glass Thickness	1.6mm + 1.6mm
Module Weight	21.7Kg
Output Cable	4mm ² , cable length 1200mm (can be customized)
Connector	See Note
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy (Black)

Connector*:
1. PV-DA01M2-XY / PV-DA02M2-XY (DAS Solar)
2. PV-ZH202B (Zhejiang Zhonghuan)
3. PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR (Staubli)
4. PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy (Staubli)
5. PV-JK03M2/xy (Plug+Socket)(Jinko)

Temperature Coefficients

Short Circuit Current(Isc)	+0.050%/°C
Open Circuit Voltage(Voc)	-0.220%/°C
Nominal Max. Power(Pmax)	-0.260%/°C
NMOT	42±2°C

Operating Parameters

Max. System Voltage	DC1500V
Power Measurement Tolerance	±3%
Module[T98] max[°C]	70
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Max. Test Load	Front 5400Pa, Back 2400Pa
Packing Data	37 pcs/Pallet ;222(20GP);962(40HQ)