

## 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

**505W**

Maximum Module Efficiency

**24.7%**

Power Binning

**0~+5W**

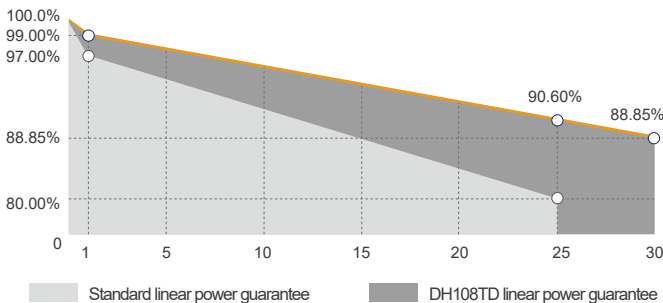
### Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

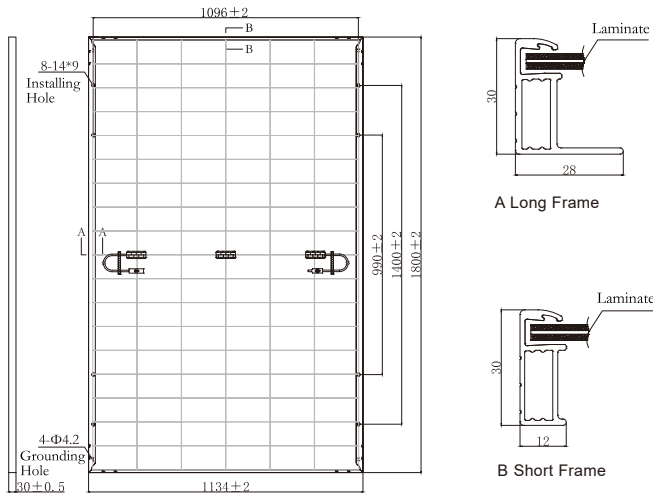
ISO 45001: Occupational Health and Safety Management System



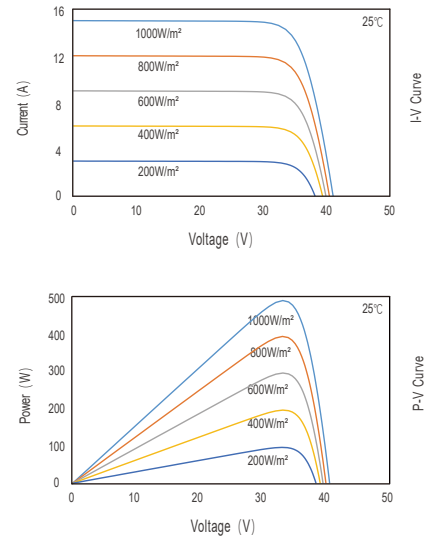
### Leading product and power warranty

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

## Engineering Drawing (mm)



## Characteristic Curves(495W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	485	490	495	500	505
Open Circuit Voltage(Voc/V)	40.45	40.56	40.66	40.77	40.88
Short Circuit Current(Isc/A)	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
Isc-BSI (±5%)	18.37	18.49	18.61	18.73	18.85

STC \*: Irradiance = 1000 W/m<sup>2</sup>, Cell Temperature = 25°C, AM = 1.5  
Test condition is based on the front side

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	371	375	378	382	386
Open Circuit Voltage(Voc/V)	38.94	39.04	39.14	39.25	39.35
Short Circuit Current(Isc/A)	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/m<sup>2</sup>, 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)	530	535	540	545	550
Open Circuit Voltage(Voc/V)	40.45	40.56	40.66	40.77	40.88
Short Circuit Current(Isc/A)	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/m<sup>2</sup>, rear irradiance=135W/m<sup>2</sup>,  
Cell Temperature = 25°C, AM = 1.5  
Pmax bifaciality coefficient 70±5%, Voc bifaciality coefficient 95±5%  
Isc bifaciality coefficient 70±5%

## Mechanical Parameters

Cell Type	N Type
Module Size	1800×1134×30mm
Glass Thickness	1.6mm + 1.6mm
Module Weight	21.7Kg
Output Cable	4mm <sup>2</sup> , 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%
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Static Load	Front 5400Pa, Back 2400Pa
Packing Data	37 pcs/Pallet ;222(20GP);962(40HQ)