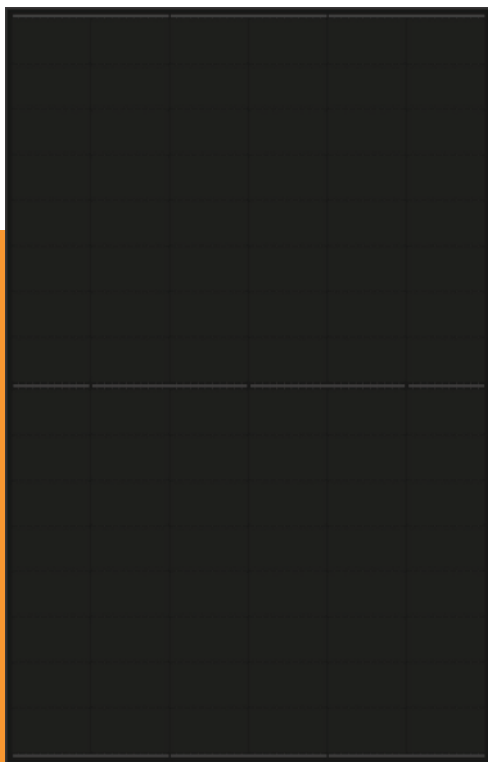


Bifacial Double Glass DBC Module (Black Pro)

PB-DH96TE-460
PB-DH96TE-465
PB-DH96TE-470
PB-DH96TE-475



Key Features



High Efficiency

Leading module efficiency in industry, up to 23.8%



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(P_{max}) 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
475W	23.8%	0~+5W

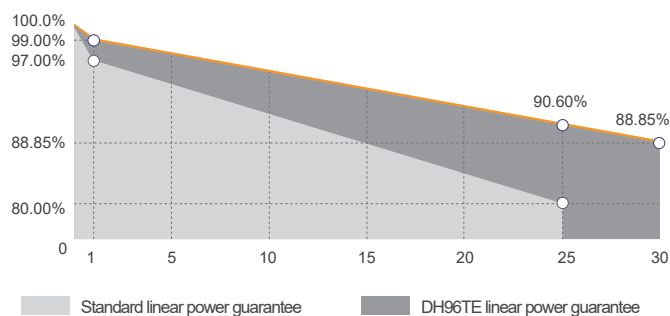
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

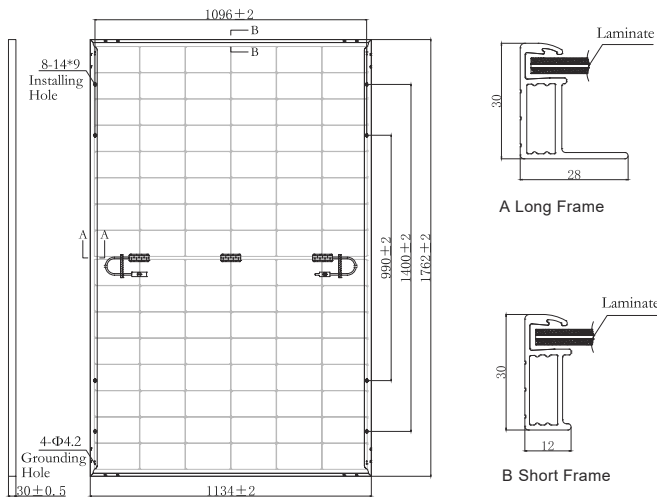
ISO 45001: Occupational Health and Safety Management System



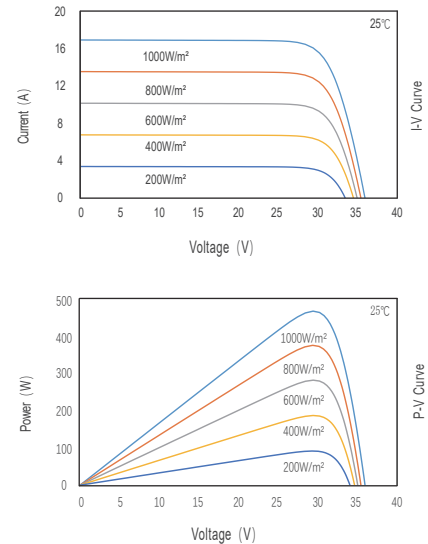
Leading product and power warranty

1.00% 1st-year Degradation **0.35%** Annual Degradation **25** Years materials and workmanship warranty **30** Years linear power warranty

Engineering Drawing (mm)



Characteristic Curves(475W)



Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	460	465	470	475
Open Circuit Voltage(Voc/V)	35.62	35.79	35.96	36.13
Short Circuit Current(Isc/A)	16.40	16.48	16.56	16.64
Operating Voltage(Vmp/V)	29.80	29.97	30.14	30.30
Operating Current(Imp/A)	15.44	15.52	15.60	15.68
Efficiency(%)	23.0	23.3	23.5	23.8
Isc-BSI (±5%)	19.84	19.94	20.04	20.13

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)	352	356	359	363
Open Circuit Voltage(Voc/V)	34.29	34.45	34.62	34.78
Short Circuit Current(Isc/A)	13.23	13.30	13.36	13.43
Operating Voltage(Vmp/V)	28.24	28.40	28.55	28.71
Operating Current(Imp/A)	12.46	12.52	12.59	12.65

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)	500	505	510	515
Open Circuit Voltage(Voc/V)	35.62	35.79	35.96	36.13
Short Circuit Current(Isc/A)	17.95	18.04	18.12	18.21
Operating Voltage(Vmp/V)	29.80	29.97	30.14	30.30
Operating Current(Imp/A)	16.89	16.98	17.07	17.16

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%

Mechanical Parameters

Cell Type	N Type
Module Size	1762×1134×30mm
Glass Thickness	1.6mm + 1.6mm
Module Weight	21.6Kg
Output Cable	4mm², 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)	-0.22%/°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)

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Version number:PB-DH96TE-002

All data contained in this datasheet is subject to change without notice.

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TUV Certificate No. Z2 119496 0002 Rev. 02

Certificate Holder: Power Bay Pty Ltd

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