ONBIPV

P10DG450TC

- Suitable for C&I Market
- MBB Technology, Anti PID
- Better energy generation performance
- BC solar module guarantees long-term reliability



12-year Product Warranty

30-year Linear Power Output Warranty

- IEC61215/IEC61730/UL61730
- IEC61701/IEC62716/IEC60068
- IEC62941/IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management system

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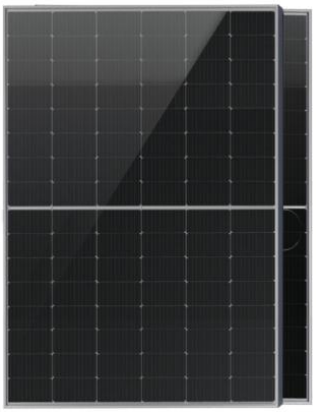
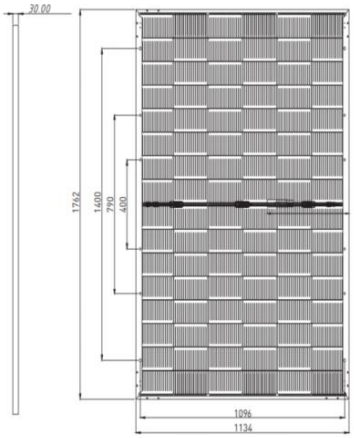
22.50%	0~+3%	1%	0.40%
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION





All Dimensions in mm,
The drawing is a graphical representation of the product,
For engineering quality drawings please contact ONBIPV

Electrical Characteristics (STC/NOCT)

STC : AM1.5 1000W/㎡ 25℃ NOCT: WS1m/s 800W/m² 20°C

Module Type	450W
Maximun Power - (Pmax/W)	450/344
Open Circuit Voltage - Voc(V)	35.64/33.53
Short Circuit Current - Isc(A)	15.86/12.89
Voltage at Pmax - Vmp(V)	30.09/28.04
Current at Maximum Power(I)	14.96/12.28
Module Efficiency - Lm(%)	22.50

Mechanical Parameters

Cell Orientation	Monocrystalline TOPCON182 (6X16)
Junction Box	Protection level IP68
Output Cable	4. 0mm², 300mm
Front Side Glass	2. 0mm, Anti-reflection coating glass
Back Side Glass	2. 0mm, Hightransparency solar glass
Frame	Anodized aluminium
Weight	Approx 21 kg
Dimension	1762*1134*30mm
Packaging	37pcs per pallet / 481pcs per 20'GP/962pcs per 40'HC

Optional

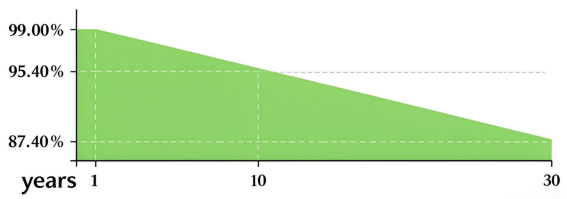
Connector	Original MC
Cable Length	1200mm
Frame	Black
Glass	Black

Operating Parameters

Operating Temperature	-40℃~+85℃
Power Output Tolerance	0~3W
Voc and Isc Tolerance	±3%
Maximun System Voltage	1500V DC-[H]
Maximun Series Fuse Rating	30A
Nominal Operating Cell Temperature	44±2℃
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Temperature Ratings(STC)

Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.300%/°C



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