

TPM8-GPLDD132

695-730W

N-TYPE TOPCON BIFACIAL DOUBLE GLASS PV MODULE



18BB

Excellent Cell Efficiency

- MBB technology reduces the distance between busbars and finger grid line which is beneficial to power increase.



PID
Anti

Anti PID

- Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Bifacial Technology

- Up to 25% additional power gain from back side depending on albedo



Better Weak Illumination Response

- More power output in weak light condition, such as haze, cloudy, and early morning



Adapt To Harsh Outdoor Environment

- Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment



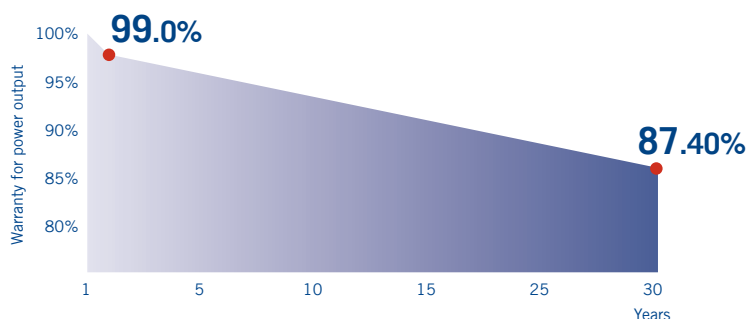
Excellent Quality Management System

- Warranted reliability and stringent quality assurances well beyond certified requirements

Linear Power Output Warranty

12 12-year warranty for materials

30 30-year warranty for linear power output



Quality Management System and Product Certification



IEC 61215/IEC 61730/IEC 61701/IEC 62716/UL61730
ISO 14001: Environmental Management System
ISO45001: Occupational Health and Safety Management System

*As there are different certification requirements in different markets, please contact your local zshine sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

Electrical Characteristics (STC)

Module Type (TPM8-GPLDD132)		695	700	705	710	715	720	725	730
Maximum Power Voltage Vmp	[V]	40.3	40.5	40.7	40.9	41.1	41.3	41.5	41.7
Maximum Power Current Imp	[A]	17.25	17.29	17.33	17.37	17.4	17.44	17.47	17.51
Open Circuit Voltage Voc	[V]	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5
Short Circuit Current Isc	[A]	18.23	18.27	18.31	18.35	18.39	18.43	18.47	18.51
Module Efficiency	[%]	22.37	22.53	22.7	22.86	23.02	23.18	23.34	23.5

Electrical Characteristics (NMOT)

Maximum Power Pmax	[Wp]	527.8	531.5	533.5	537.3	542.6	546.4	550	553.8
Maximum Power Voltage Vmpp	[V]	37.8	38	38	38.2	38.5	38.7	38.8	39
Maximum Power Current Impp	[A]	13.97	14	14.04	14.07	14.1	14.13	14.16	14.19
Open Circuit Voltage Voc	[V]	45.5	45.7	45.8	45.9	46.3	46.4	46.6	46.8
Short Circuit Current Isc	[A]	14.7	14.74	14.78	14.81	14.83	14.87	14.9	14.93

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN

5%	Maximum Power:Pmax	[W]	730	735	740	746	751	756	761	767
	Module Efficiency	[%]	23.49	23.66	23.83	24	24.17	24.34	24.51	24.68
15%	Maximum Power:Pmax	[W]	799	805	811	817	822	828	834	840
	Module Efficiency	[%]	25.73	25.91	26.1	26.28	26.47	26.66	26.84	27.03
25%	Maximum Power:Pmax	[W]	869	875	881	888	894	900	906	913
	Module Efficiency	[%]	27.97	28.17	28.37	28.57	28.77	28.97	29.17	29.38

Mechanical Characteristics

Solar cells	N-type Monocrystalline
Cells orientation	132(6*22)
Module dimension	2384x1303x35 mm (With Frame)
Weight	38.5±1.0 kg
Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 750 mm (With Connectors)
Connectors*	MC4-EVO2

Application Conditions

Maximum system voltage	1500 V DC
Operating temperature	-40 C ~+85 C
Maximum series fuse	35 A
Front Side Maximum Static Loading	Up to 5400Pa
Rear Side Maximum Static Loading	Up to 2400Pa

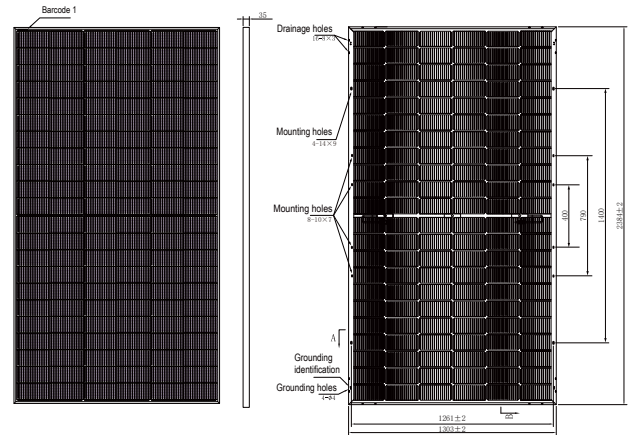
Temperature Characteristics

NMOT	43 C ±2 C
Temperature coefficient of Pmax	(-0.30±0.03)%/C
Temperature coefficient of Voc	-0.25%/C
Temperature coefficient of Isc	0.046%/C
Bifaciality	80±10%

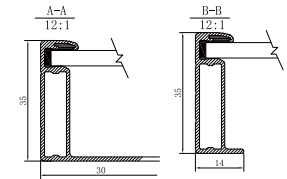
Packing Configuration

Piece/Box	31
Piece/Container(40'HQ)	558

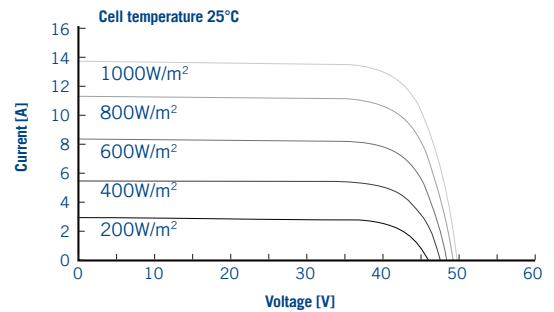
Engineering Drawings



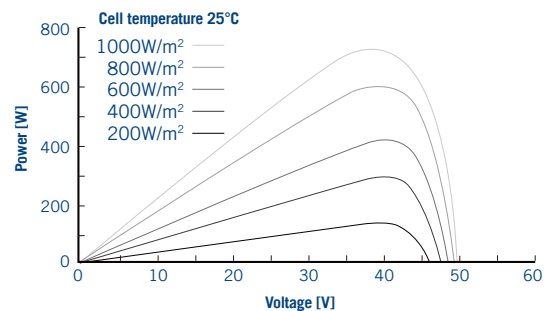
Unit: mm



I-V CURVES OF PV MODULE (730W)



P-V CURVES OF PV MODULE (730W)



Declaration: With the technical progress and product updates, there exists a deviation between the technical parameter of the Topco Solar's future products and the technical parameter in this specification. The Topco Solar reserves the right to adjust the technical parameter at any time without notifying the customers. Topco Solar reserves the final right of interpretation.

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