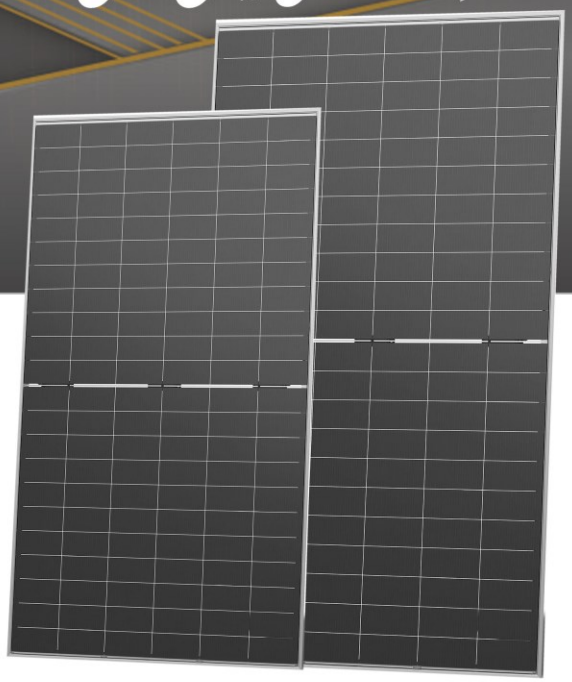
شرکت آوای ایمن توان

Solar panel
Series HTPA8000 (710-735W)
BIFACIAL MODULE WITH DUAL GLASS



type Technology

type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.

HOT 3.0 Technology

type modules with echnology offer better reliability and efficiency.

Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.

Mechanical Load Enhanced

Certified to withstand:

5400 Pa front side max static test load

2400 Pa rear side max static test load

SMBB Technology

Better light trapping and current collection to improve module power output and reliability.

Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

Specifications

- EC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems

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Solar panel

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BIFACIAL MODULE WITH DUAL GLASS

Mechanical Characteristics	Specification					
Cell Type	N-type Mono-crystalline					
No. of cells	132 (66×2)					
Dimensions	2384×1303×33 mm					
Weight	37.5 kg					
Front Glass	2.0 mm, Anti-Reflection Coating					
Back Glass	2.0 mm, Heat Strengthened Glass					
Frame	Anodized Aluminium Alloy					
Junction Box	IP68 Rated					
Protection Class	Class II					
IEC Fire Type	Class C					
Connector Type	JK03M/JK03M2/Others*					
Output Cables (Including Connector)	4.0 mm²; (+): 400 mm, (-): 200 mm or Customized Length					
Specifications (STC)	**710 W**	**715 W**	**720 W**	**725 W**	**730 W**	**735 W**
Maximum Power - Pmax [Wp]	710	715	720	725	730	735
Maximum Power Voltage - Vmp [V]	40/65	40/77	40/89	41	41/11	41/23
Maximum Power Current - Imp [A]	17/47	17/54	17/61	17/69	17/76	17/83
Open-circuit Voltage - Voc [V]	48/73	48/88	49/04	49/2	49/36	49/52
Short-circuit Current - Isc [A]	18/53	18/6	18/67	18/74	18/81	18/88
Module Efficiency STC [%]	22/86	23/02	23/18	23/34	23/5	23/66
Power Tolerance	0~+3 %					
Temperature Coefficient of Pmax	-0.29 %/°C					
Temperature Coefficient of Voc	-0.25 %/°C					
Temperature Coefficient of Isc	0.045 %/°C					
Specifications (BNPI)	**710 W**	**715 W**	**720 W**	**725 W**	**730 W**	**735 W**
Maximum Power - Pmax [Wp]	784	790	795	800	805	810
Maximum Power Voltage - Vmp [V]	40/66	40/8	40/92	41/03	41/14	41/25
Maximum Power Current - Imp [A]	19/28	19/36	19/43	19/5	19/57	19/64
Open-circuit Voltage - Voc [V]	48/72	48/85	48/99	49/12	49/25	49/38
Short-circuit Current - Isc [A]	20/48	20/55	20/63	20/71	20/79	20/87
Application Conditions	**Specification**					
Operating Temperature	-40°C ~ +70°C					
Maximum System Voltage	1500 VDC (IEC)					
Maximum Series Fuse Rating	35 A					
Bifaciality Coefficients	φVoc: 98±5%, φIsc: 80±5%, φPmax: 80±5%					

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