

HALO

Bifacial Dual Glass HJT Module

700-735W HSBK-33

Key Product Features



HJT Technology

Double-sided $\mu\text{-Si}$ technology to ensure higher cell efficiency and module power, effectively reducing LCOE.



Ultra-low Temperature Coefficient

$-0.24\%/^{\circ}\text{C}$ Pmax temperature coefficient to ensure lower power loss in high temperature environments.



Polyisobutylene (PIB) Sealant

Stronger water resistance, better airtightness, and longer module lifespan.



Higher Reliability

Industry-leading technology and performance warranty to ensure modules' outstanding and stable performance.



Better Power Generation Performance

Zero LID and PID for lower power loss.



Up to 95% Bifaciality

Natural symmetrical bifacial structure to bring higher power generation on the backside.



SMBB Technology

20BB has better light trapping and current collection to improve module power output.



Low LOCE (Levelized Cost of Energy)

Reduce the cost of BOS efficiently and increase return on project investment.

Comprehensive product certification

- IEC61215-1(ed.1)
- IEC61215-1-1(ed.1)
- IEC61215-2(ed.1)
- IEC61730-1(ed.2)
- IEC61730-2(ed.1)
- UL 61730-1 1st Edition
- UL 61730-2 1st Edition

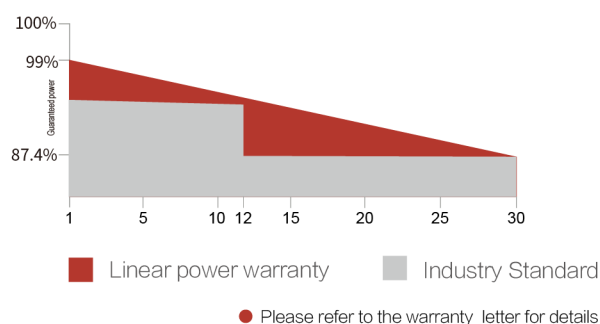


Industry-leading Quality Assurance

12 year
Product warranty

30 year
linear power warranty

-0.40%
Annual degradation



Solar Power



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Electrical Data(STC*)

Module Type: HSBK-33	700	705	710	715	720	725	730	735
Rate Maximum Power(Pmax)(W)	700	705	710	715	720	725	730	735
Open Circuit Voltage(Voc) (V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37	50.47
Short Circuit Current(Isc) (A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35	18.44
Maximum Power Voltage(Vmp)(V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32	42.41
Maximum Power Current (Imp) (A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26	17.34
Module Efficiency (%)	22.53	22.70	22.86	23.02	23.18	23.34	23.50	23.66

*Standard Test Conditions (STC) : irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C

Electrical Data(NMOT*)

Module Type: HSBK-33	700	705	710	715	720	725	730	735
Rate Maximum Power(Pmax)(W)	534.1	537.8	541.9	545.9	549.6	553.4	557.2	561.1
Open Circuit Voltage(Voc) (V)	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1
Short Circuit Current(Isc) (A)	14.36	14.43	14.51	14.58	14.65	14.72	14.80	14.87
Maximum Power Voltage(Vmp)(V)	39.2	39.3	39.4	39.5	39.6	39.6	39.7	39.8
Maximum Power Current (Imp) (A)	13.62	13.68	13.76	13.83	13.89	13.96	14.03	14.10

*Nominal Module Operating Temperature (NMOT):irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

Operational Parameter

Operating Temperature	-40°C~+85°C				
NMOT (Nominal Module Operating Temperature)	45±2°C				
Maximum System Voltage(V)	1500V DC				
Maximun Fuse Current Rating(A)	35A				
Fire Safety	Class C				
Power Tolerance	0~+5W				
Bifacial Factor	90±5%				
PG. 715W	5%	10%	15%	20%	25%
Rate Maximum Power(Pmax)(W)	751	787	822	858	894
Open Circuit Voltage(Voc) (V)	50.07	50.07	50.07	50.07	50.07
Short Circuit Current (Isc) (A)	18.98	19.89	20.79	21.70	22.60
Maximum Power Voltage(Vmp)(V)	42.05	42.05	42.05	42.05	42.05
Maximum Power Current(Imp) (A)	17.87	18.72	19.57	20.42	21.28

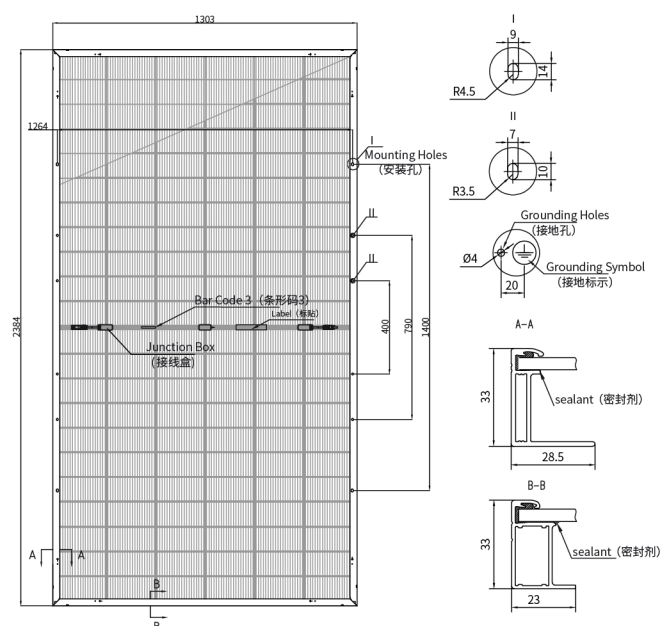
Mechanical Properties

Cell Type	N - type Mono-crystalline
Number of Cells	132PCS
Dimension of Module	2384*1303*33mm
Weight	38.3Kg±5%
Front Glass	2.0mm semi-tempered glass with AR Coating
Back Glass	2.0mm semi-tempered grid printing glass
Frame	Anodized aluminum alloy
Junction Box	IP68(3 Diodes)
Cable Length	+320mm, -260mm(4.0mm ²); or Customized Length
Packing Information	594(33*18)pcs per 40'HQ

Temperature Coefficient

Peak Power Temperature Coefficient	-0.24%/°C
Open-Circuit Voltage Temperature Coefficient	-0.22%/°C
Short-Circuit Current Temperature Coefficient	0.040%/°C

Drawing



I-V curve

