

HALO

Bifacial Dual Glass HJT Module

625-660W HSBK-30

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%/°C P_{max} 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 LCOE (Levelized Cost of Energy)

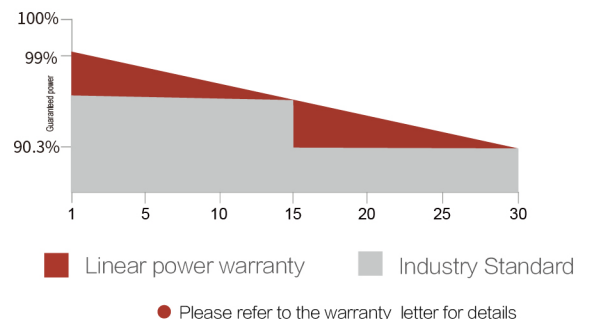
Reduce the cost of BOS efficiently and increase return on project investment.

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



Solar Power



● Add: No.3009 BYD Road, Pingshan District, Shenzhen
● +86-755-89888888
● byd pv@byd.com

Electrical Data(STC*)

Module Type: HSBK-30	625	630	635	640	645	650	655	660
Rate Maximum Power(Pmax)(W)	625	630	635	640	645	650	655	660
Open Circuit Voltage(Voc) (V)	45.15	45.30	45.48	45.65	45.82	45.99	46.16	46.33
Short Circuit Current(Isc) (A)	17.31	17.37	17.43	17.49	17.55	17.61	17.67	17.73
Maximum Power Voltage(Vmp)(V)	37.86	38.03	38.19	38.35	38.51	38.67	38.83	38.99
Maximum Power Current (Imp) (A)	16.51	16.57	16.63	16.69	16.75	16.81	16.87	16.93
Module Efficiency (%)	22.08	22.26	22.44	22.61	22.79	22.97	23.14	23.32

*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-30	625	630	635	640	645	650	655	660
Rate Maximum Power(Pmax)(W)	476.0	479.9	483.6	487.4	491.2	495.0	498.8	502.6
Open Circuit Voltage(Voc) (V)	43.0	43.1	43.3	43.5	43.6	43.8	43.9	44.1
Short Circuit Current(Isc) (A)	13.96	14.01	14.06	14.10	14.15	14.20	14.25	14.30
Maximum Power Voltage(Vmp)(V)	35.9	36.1	36.2	36.4	36.5	36.7	36.8	37.0
Maximum Power Current (Imp) (A)	13.26	13.30	13.35	13.40	13.44	13.49	13.54	13.59

*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				
Maximum Fuse Current Rating(A)	35A				
Fire Safety	Class C				
Power Tolerance	0~+5W				
Bifacial Factor	90±5%				
PG. 640W	5%	10%	15%	20%	25%
Rate Maximum Power(Pmax)(W)	672	704	736	768	800
Open Circuit Voltage(Voc) (V)	45.65	45.65	45.65	45.65	45.65
Short Circuit Current (Isc) (A)	18.36	19.24	20.11	20.99	21.86
Maximum Power Voltage(Vmp)(V)	38.35	38.35	38.35	38.35	38.35
Maximum Power Current (Imp) (A)	17.52	18.36	19.19	20.03	20.86

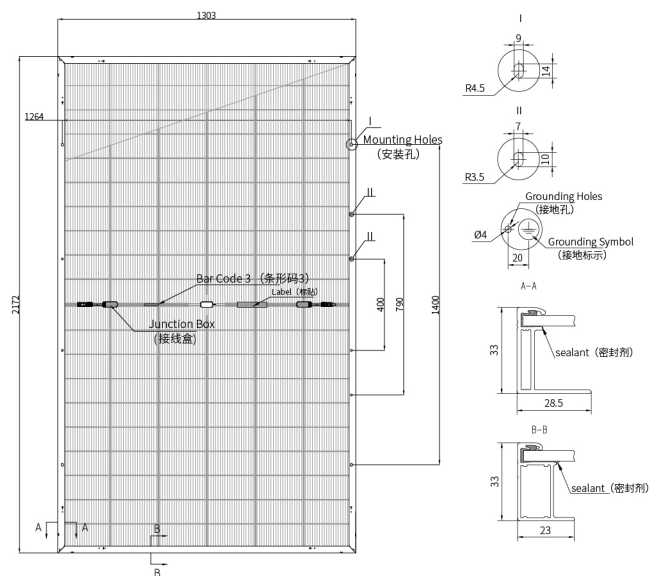
Mechanical Properties

Cell Type	N - type Mono-crystalline				
Number of Cells	120PCS				
Dimension of Module	2172*1303*33mm				
Weight	35.3KG±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	+400mm , -260mm(4.0mm ²) ; or Customized Length				
Packing Information	594(33*18) pcs per 40'HQ				

Temperature Coefficient

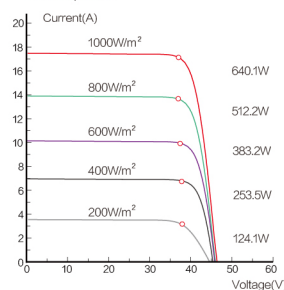
Peak Power Temperature Coefficient	-0.24%/°C
Open-Circuit Voltage Temperature Coefficient	-0.22%/°C
Short-Circuit Current Temperature Coefficient	0.040%/°C

Drawing



I-V curve

Current-Voltage Curve (640W)
Cells temp.=25°C



Power-Voltage Curve (640W)
Cells temp.=25°C

