HALO

Bifacial Dual Glass HJT Module

625-645W ***HSBK-30***

Key Product Features

HJT Technology
Double-sided μc-Si technology to ensure higher cell efficiency and module power, effectively reducing LCOE.

Better Power Generation Performance
Zero LID and PID for lower power loss.

Ultra-low Temperature Coefficient
-0.26%/°C Pmax temperature coefficient to ensure lower power loss in high temperature environments.

Up to 95% Bifaciality
Natural symmetrical bifacial structure to bring higher power generation on the backside.

Polyisobutylene (PIB) Sealant
Stronger water resistance, better airtightness, and longer module lifespan.

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

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

Low LOCE(Levelized Cost of Energy)
Reduce the cost of BOS efficiently and increase return on project investment.

Comprehensive product certification

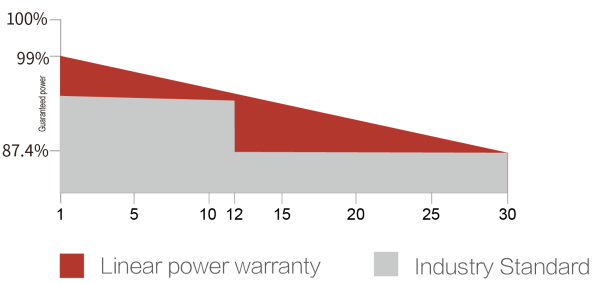
- IEC61215-1(ed.1)
- IEC61215-1-1(ed.1)
- IEC61215-2(ed.1)
- IEC61730-1(ed.2)
- IEC61730-2(ed.1)
- UL 61730-1 1st Edition
- UL 61730-2 1st Edition

Industry-leading Quality Assurance

12 year Product warranty

30 year linear power warranty

-0.40% Annual degradation



Please refer to the warranty letter for details

BYD Solar Power

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Electrical Data(STC*)

Module Type：HSBK-30	625	630	635	640	645
Rate Maximum Power(Pmax)(W)	625	630	635	640	645
Open Circuit Voltage(Voc) (V)	45.15	45.30	45.48	45.65	45.82
Short Circuit Current(Isc) (A)	17.31	17.37	17.43	17.49	17.55
Maximum Power Voltage(Vmp)(V)	37.86	38.03	38.19	38.35	38.51
Maximum Power Current (Imp) (A)	16.51	16.57	16.63	16.69	16.75
Module Efficiency (%)	22.08	22.26	22.44	22.61	22.79

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

Electrical Data(NMOT*)

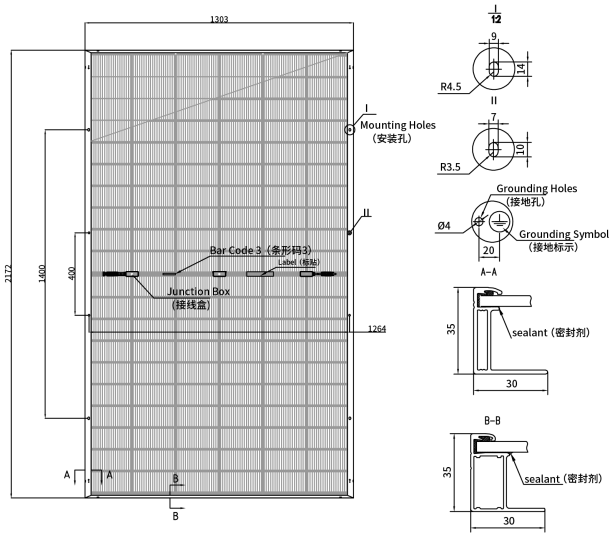
Module Type：HSBK-30	625	630	635	640	645
Rate Maximum Power(Pmax)(W)	474.0	477.9	481.6	485.4	489.1
Open Circuit Voltage(Voc) (V)	42.8	43.0	43.1	43.3	43.5
Short Circuit Current(Isc) (A)	13.96	14.01	14.06	14.10	14.15
Maximum Power Voltage(Vmp)(V)	35.8	35.9	36.1	36.2	36.4
Maximum Power Current (Imp) (A)	13.26	13.31	13.35	13.40	13.44

*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. 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

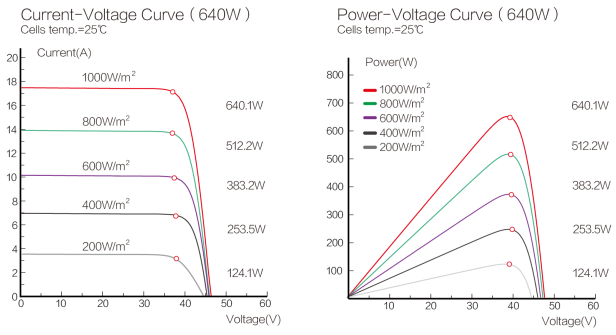
Drawing



Mechanical Properties

Cell Type	N - type Mono-crystalline
Number of Cells	120PCS
Dimension of Module	2172*1303*35mm
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	+320mm , -260mm(4.0mm²)； or Customized Length
Packing Information	558(31*18) pcs per 40'HQ

I-V curve



Temperature Coefficient

Peak Power Temperature Coefficient	-0.26%/°C
Open-Circuit Voltage Temperature Coefficient	-0.24%/°C
Short-Circuit Current Temperature Coefficient	0.040%/°C