

BYD's Dream All Human Hope

Changing human dependence on non-renewable energy as the starting point, with three green dreams of electric vehicle, energy storage station and solar farm, BYD looks forward to helping more countries and people to get rid of fossil energy over consumption crisis and environmental pollution, and strive to leave offspring a beautiful and clean world to live in.



In the daytime, solar panels capture solar energy like plants. At night, energy storage station transports the stored energy, like solar energy, wind energy, tidal energy, to thousands of families smoothly.

The electric vehicle, shuttling on the streets and lanes, is of zero emission, zero pollution.

Is this a dream?

This is the green dream of BYD and even all human beings.

Is this a dream?

No. We are already seeing it approaching us.





22.2%

Average cell efficiency up to 22.2%
Excellent optical performance

0-5W

Power tolerance 0-5W
Reliability for output performance

12
Years

12 years for product
25 years linear warranty

Grid

Residential roof top systems
On/Off-grid commercial systems
On/Off-grid utility systems

3rd

Design loads: 3600 Pa for positive
(downward) and 1600 Pa for
negative (upward) Safety factors γ_m : 1.5

Corresponding to maximum snow and ice
load 5400Pa, maximum wind load 2400Pa

Certification

IEC61215-1(ed.1)
IEC61215-1-1(ed.1)
IEC61215-2(ed.1)
IEC61730-1(ed.2)
IEC61730-2(ed.2)

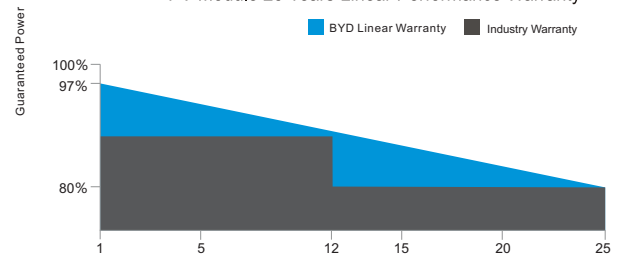
BYD

Mono Half Cell Module

BYD MIK-36-SERIES-5BB 390W-410W



PV Module 25 Years Linear Performance Warranty



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Mechanical Properties

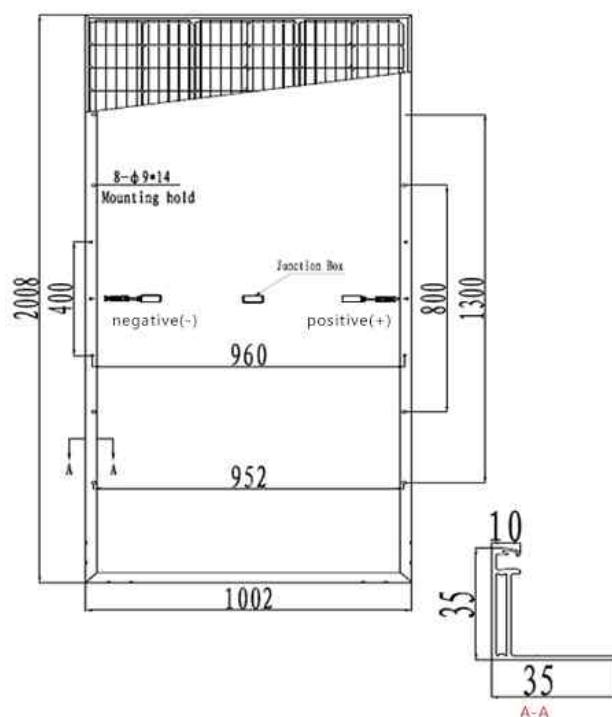
Cell Type	158.75mm*79.375mm
Number of Cells	144
Dimension of Module	2008*1002*35mm
Weight	21.8Kg ±5%
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Length	+320mm , -260mm(4.0mm ²)
Connector	MC4 Compatible

Temperature Coefficient

Peak Power Temperature Coefficient	-0.328%/°C
Open-Circuit Voltage Temperature Coefficient	-0.254%/°C
Short-Circuit Current Temperature Coefficient	0.041%/°C

Packing Information

Packing Type	40'HQ
Piece/Pallet	30+35
Pallet/Container	11+11
Piece/Container	715



Electrical Data (STC*)

Module Type	BYD390MIK-36	BYD395MIK-36	BYD400MIK-36	BYD405MIK-36	BYD410MIK-36
Rate Maximum Power (Pmax)(W)	390Wp	395Wp	400Wp	405Wp	410Wp
Open Circuit Voltage (Voc) (V)	48.64 V	48.92 V	49.21 V	49.49 V	49.78 V
Short Circuit Current (Isc) (A)	10.15 A	10.22 A	10.29 A	10.36 A	10.43A
Maximum Power Voltage (Vmp)(V)	40.42V	40.65V	40.87V	41.10V	41.32V
Maximum Power Current (Imp) (A)	9.65A	9.72A	9.79A	9.86A	9.93A
Module Efficiency (%)	19.38%	19.63%	19.88%	20.13%	20.38%

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

Electrical Data (NMOT*)

Module Type	BYD390MIK-36	BYD395MIK-36	BYD400MIK-36	BYD405MIK-36	BYD410MIK-36
Rate Maximum Power (Pmax)(W)	294.3Wp	298.1Wp	301.9Wp	305.8Wp	309.7Wp
Open Circuit Voltage (Voc) (V)	45.80 V	46.10 V	46.30 V	46.60 V	46.90 V
Short Circuit Current (Isc) (A)	8.02 A	8.07 A	8.13 A	8.19 A	8.24 A
Maximum Power Voltage (Vmp)(V)	38.60 V	38.80 V	39.00 V	39.20 V	39.50 V
Maximum Power Current (Imp) (A)	7.63 A	7.69 A	7.74 A	7.79 A	7.85 A

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 (°C)	-40 °C~85°C
NOCT(Nominal operating cell temperature)	45°C±2°C
Maximum System Voltage (V)	1500 (VDC)
Maximun Fuse Current Rating (A)	20A
Fire Safety	Class C
Power Tolerance	0-5W

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