

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
Power Measurement Tolerance $\pm 3\%$
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

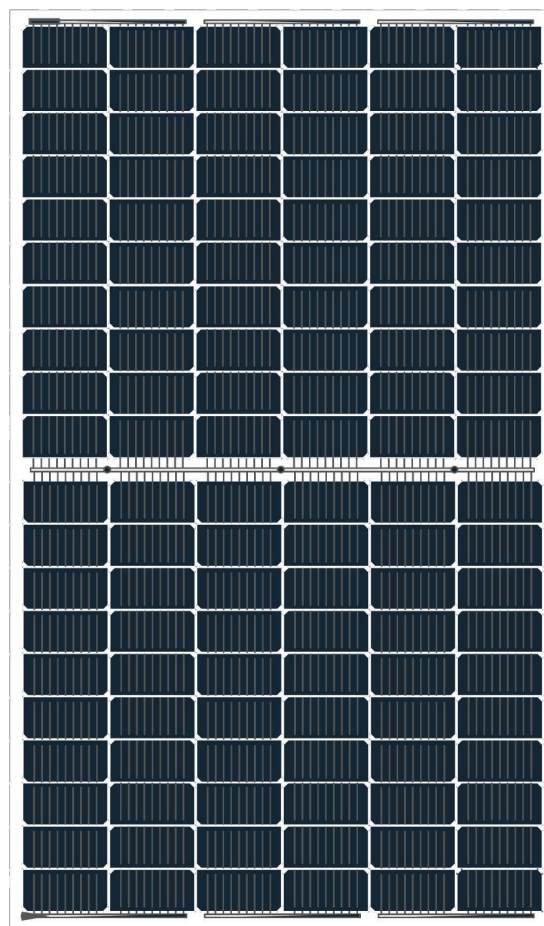
Certification

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

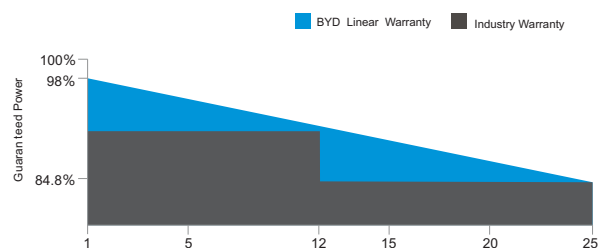
BYD

Mono Half Cell Module

BYD MG2K30-166M 350W-380W



PV Module 25 Years Linear Performance Warranty



BYD MG2K-30-166M 350W-380W

Mechanical Properties

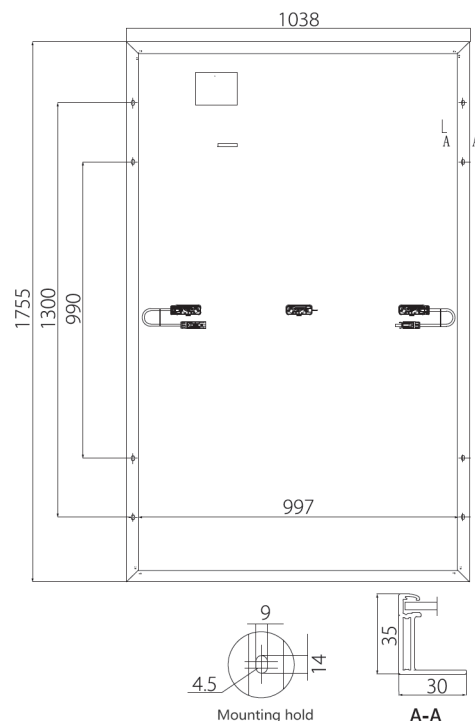
Cell Type	166*83mm
Number of Cells	120
Dimension of Module	1755*1038*35mm
Weight	19.5KG
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable Length	+300mm , -300mm(4.0mm ²)
Connector	Genuine MC4 EVO2

Temperature Coefficient

Peak Power Temperature Coefficient	-0.350%/°C
Open-Circuit Voltage Temperature Coefficient	-0.270%/°C
Short-Circuit Current Temperature Coefficient	0.048%/°C

Packing Information

Packing Type	40'HQ
Piece/Pallet	30
Pallet/Container	13+13
Piece/Container	780



Electrical Data (STC*)

Module Type	BYD350MG2K-30	BYD355MG2K-30	BYD360MG2K-30	BYD365MG2K-30	BYD370MG2K-30	BYD375MG2K-30	BYD380MG2K-30
Rate Maximum Power P _{max} (W)	350Wp	355Wp	360Wp	365Wp	370Wp	375Wp	380Wp
Open Circuit Voltage (V _{oc}) (V)	40.1V	40.3V	40.5V	40.7V	40.9V	41.1V	41.3V
Short Circuit Current (I _{sc}) (A)	11.15A	11.25A	11.35A	11.43A	11.52A	11.60A	11.69A
Maximum Power Voltage (V _{mp})(V)	33.6V	33.8V	34.0V	34.2V	34.4V	34.6V	34.8V
Maximum Power Current (I _{mp}) (A)	10.42A	10.51A	10.59A	10.68A	10.76A	10.84A	10.92A
Module Efficiency (%)	19.2%	19.5%	19.8%	20.0%	20.3%	20.6%	20.9%

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

Electrical Data (NMOT*)

Module Type	BYD350MG2K-30	BYD355MG2K-30	BYD360MG2K-30	BYD365MG2K-30	BYD370MG2K-30	BYD375MG2K-30	BYD380MG2K-30
Rate Maximum Power P _{max} (W)	261.4Wp	265.1Wp	268.8Wp	272.6Wp	276.3Wp	280.0Wp	283.8Wp
Open Circuit Voltage (V _{oc}) (V)	37.6V	37.8V	38.0V	38.2V	38.3V	38.5V	38.7V
Short Circuit Current (I _{sc}) (A)	9.02A	9.10A	9.17A	9.25A	9.32A	9.38A	9.45A
Maximum Power Voltage (V _{mp})(V)	31.3V	31.5V	31.7V	31.8V	32.0V	32.2V	32.4V
Maximum Power Current (I _{mp}) (A)	8.35A	8.43A	8.49A	8.56A	8.63A	8.69A	8.76A

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
NMOT(Nominal Module operating 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
Power Measurement Tolerance	±3%

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