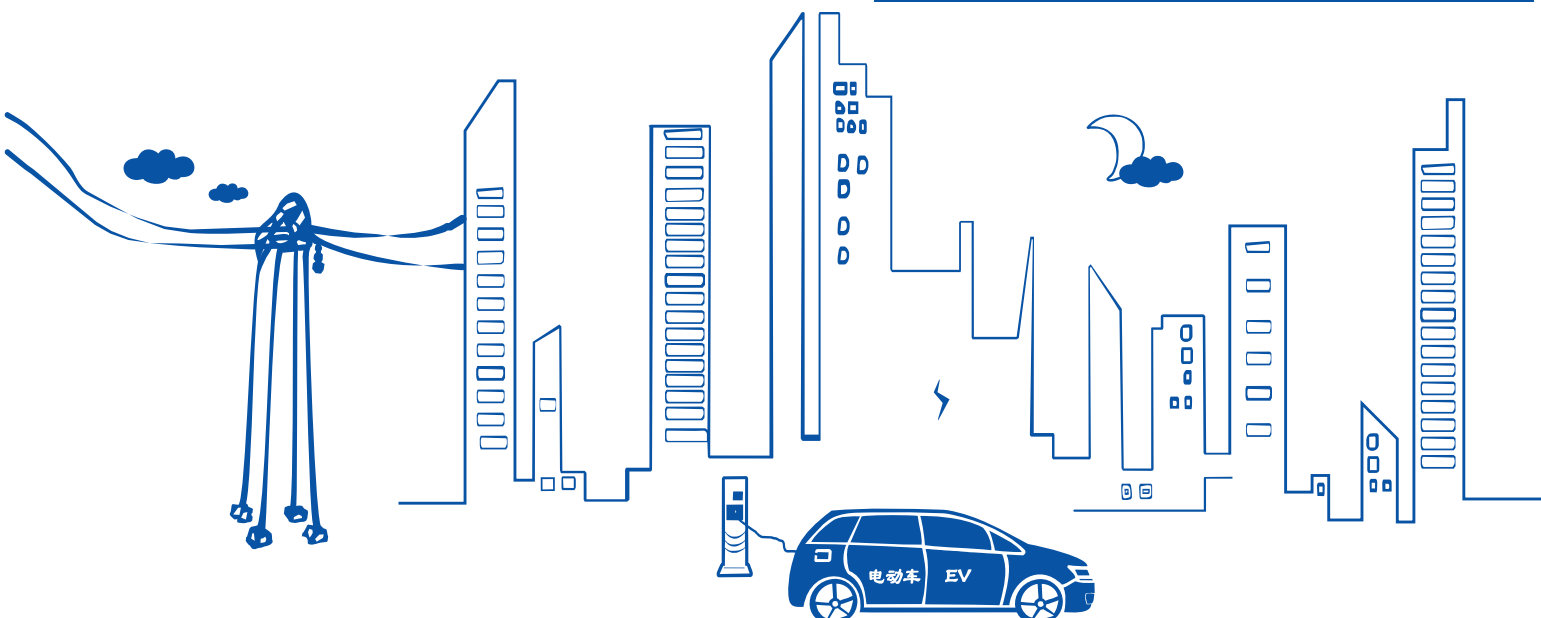
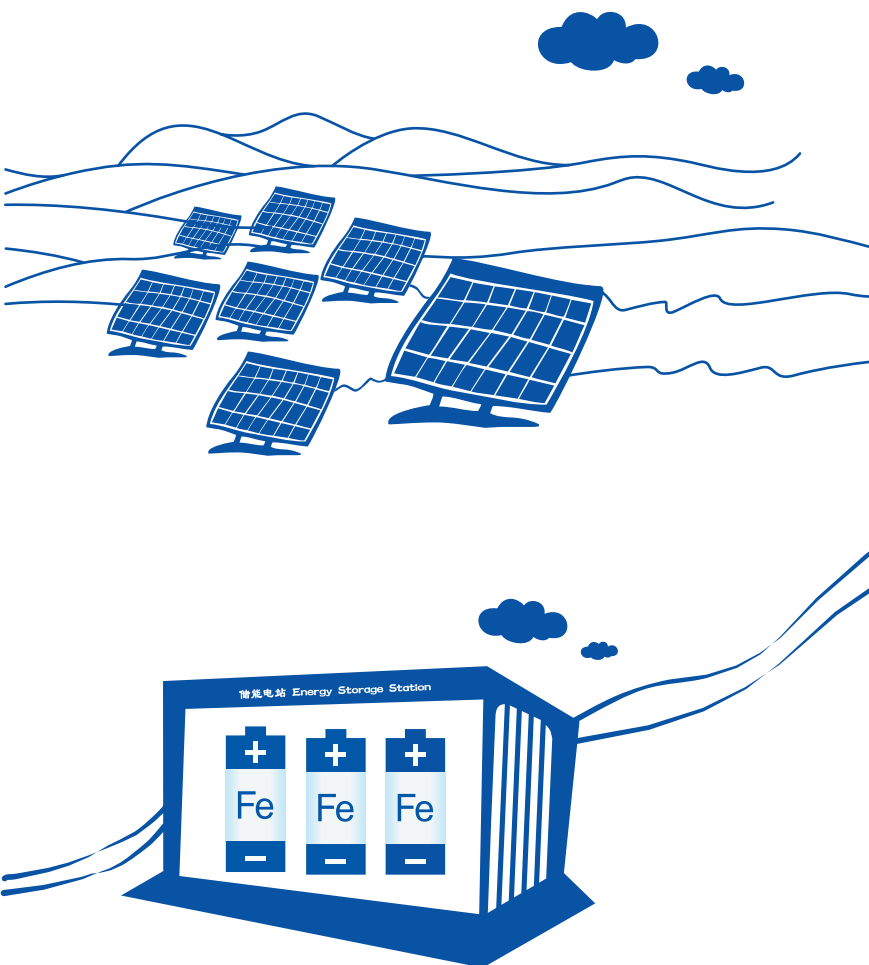




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Average cell efficiency up to **22.2%**
Excellent optical performance



Power tolerance 0-5W
Reliability for output performance



12 years for product
25 years linear warranty



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



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

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

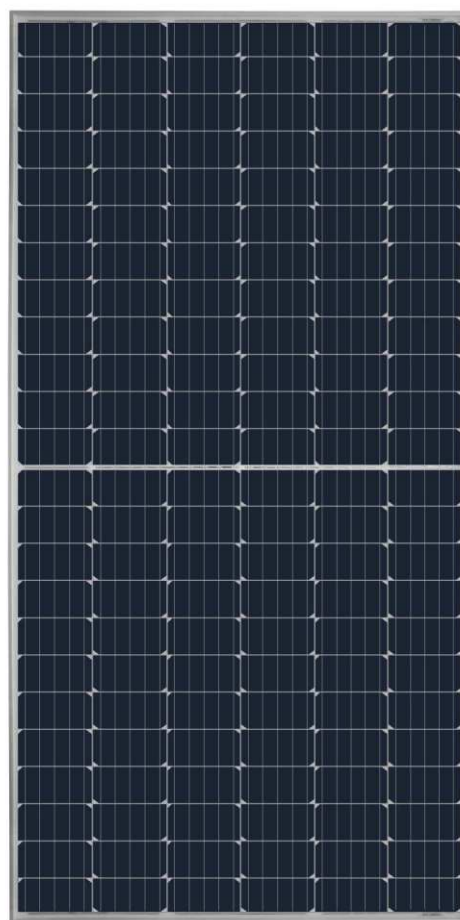


IEC61215-1(ed.1)
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IEC61215-2(ed.1)
IEC61730-1(ed.2)
IEC61730-2(ed.2)

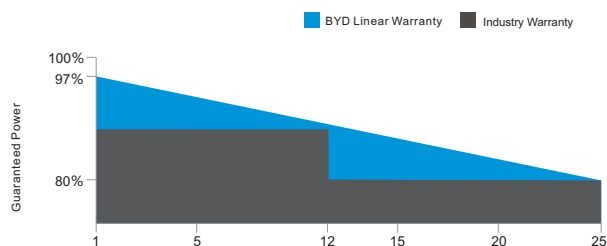
BYD

Mono Half Cell Module

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



PV Module 25 Years Linear Performance Warranty



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

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 (P _{max})(W)	390Wp	395Wp	400Wp	405Wp	410Wp
Open Circuit Voltage (V _{oc}) (V)	48.64 V	48.92 V	49.21 V	49.49 V	49.78 V
Short Circuit Current (I _{sc}) (A)	10.15 A	10.22 A	10.29 A	10.36 A	10.43A
Maximum Power Voltage (V _{mp})(V)	40.42V	40.65V	40.87V	41.10V	41.32V
Maximum Power Current (I _{mp}) (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.

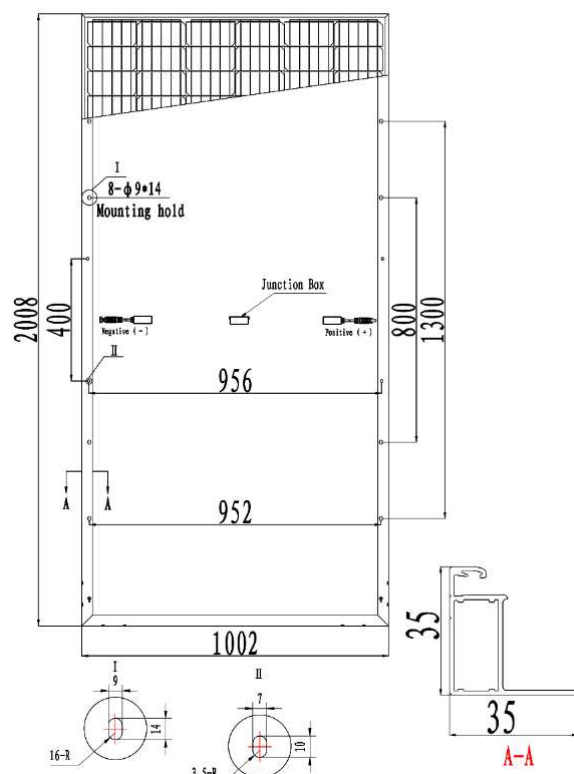
Electrical Data (NMOT*)

Module Type	BYD390MIK-36	BYD395MIK-36	BYD400MIK-36	BYD405MIK-36	BYD410MIK-36
Rate Maximum Power (P _{max})(W)	294.3Wp	298.1Wp	301.9Wp	305.8Wp	309.7Wp
Open Circuit Voltage (V _{oc}) (V)	45.80 V	46.10 V	46.30 V	46.60 V	46.90 V
Short Circuit Current (I _{sc}) (A)	8.02 A	8.07 A	8.13 A	8.19 A	8.24 A
Maximum Power Voltage (V _{mp})(V)	38.60 V	38.80 V	39.00 V	39.20 V	39.50 V
Maximum Power Current (I _{mp}) (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)
Maximum Fuse Current Rating (A)	20A
Fire Safety	Class C
Power Tolerance	0-5W



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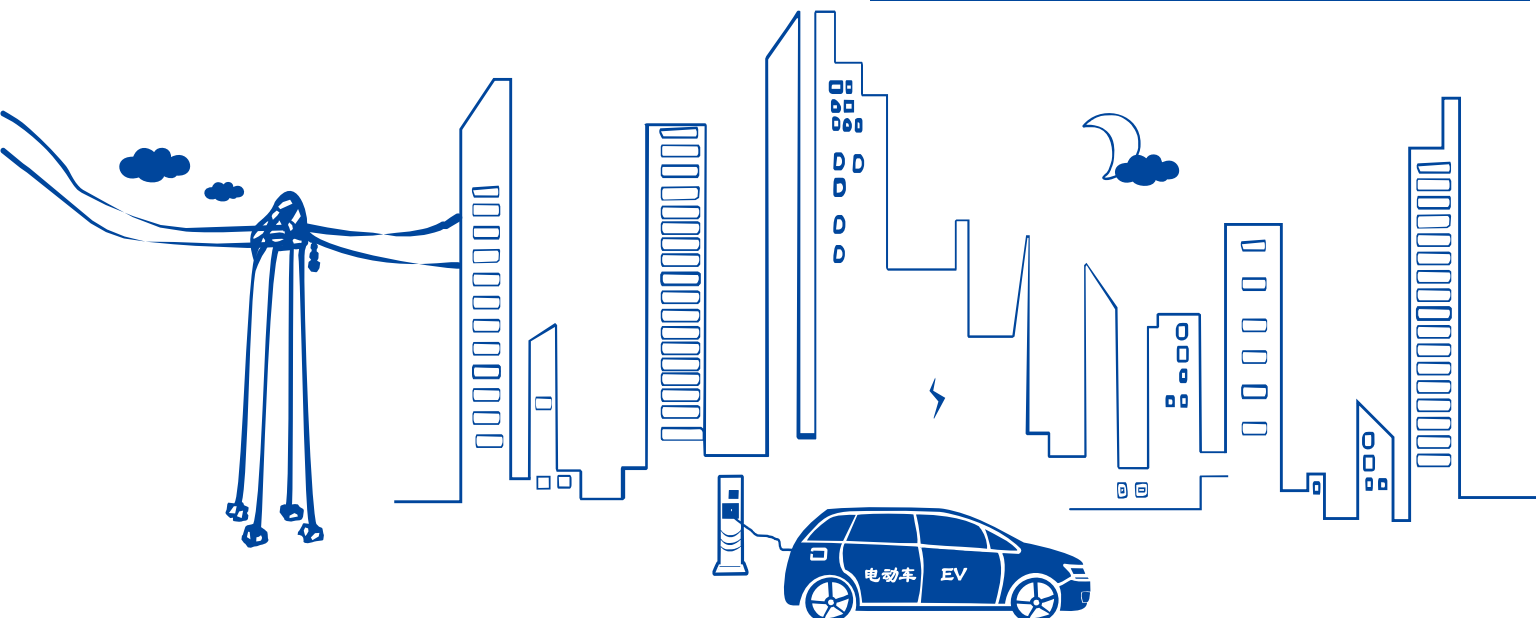
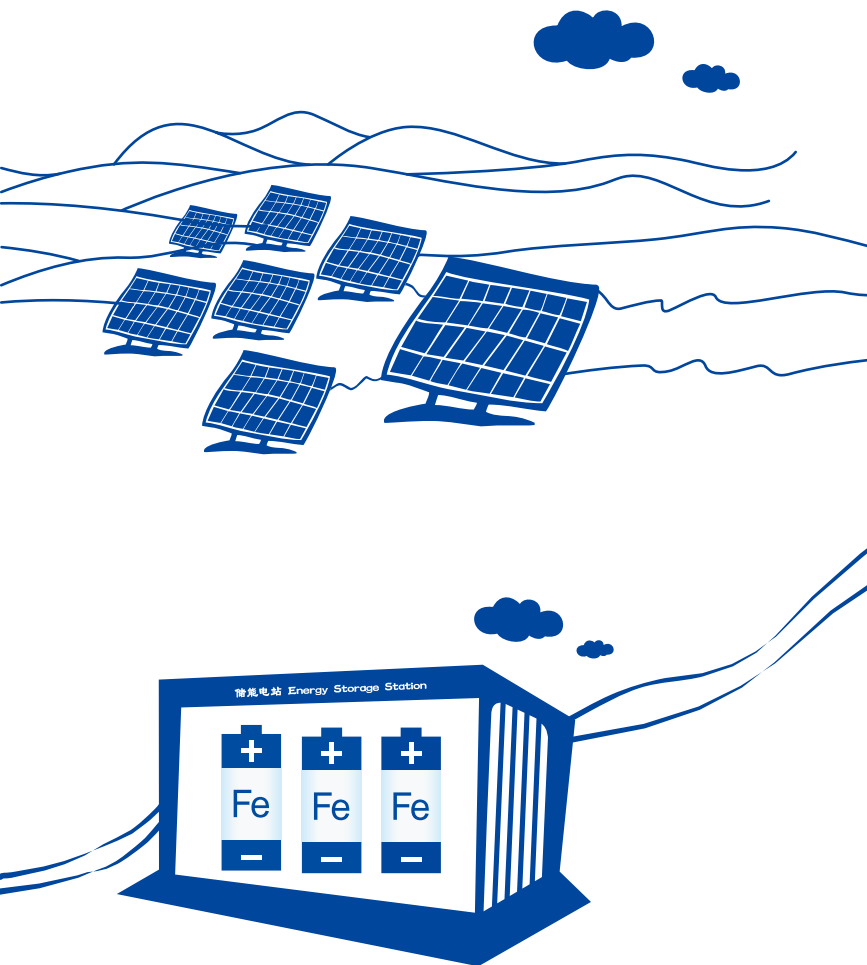
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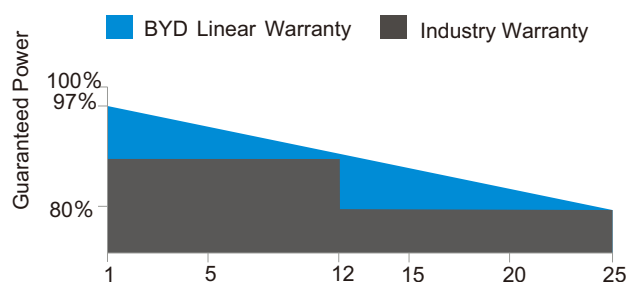
BYD

Mono Half Cell Module

BYD MGK-36 425W-455W



PV Module 25 Years Linear Performance Warranty



12 years for product
25 years linear warranty



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

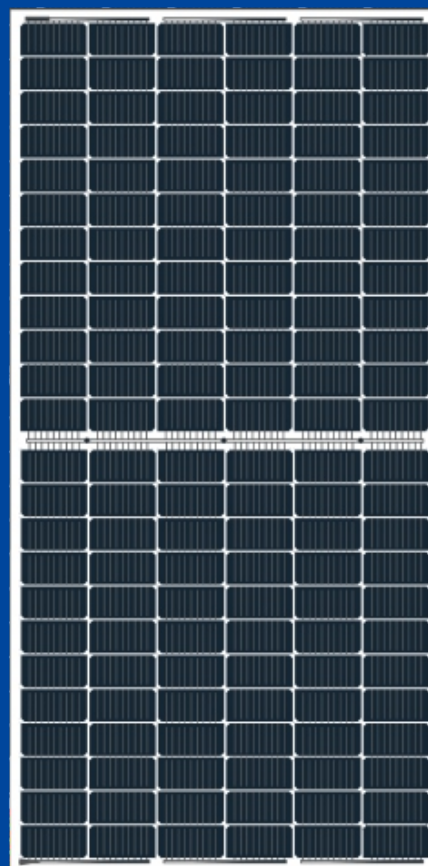


Design loads: 3600 Pa for positive
(downward) and 1600 Pa for
negative (upward) Safety factors Y_m : 1.5

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



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





BYD MGK-36 425W-455W

Mechanical Properties

Cell Type	166mm*83mm
Number of Cells	144
Dimension of Module	2094*1038*35mm
Weight	24.1kg±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	-0.352%/°C
Open-Circuit Voltage Temperature Coefficient	-0.285%/°C
Short-Circuit Current Temperature Coefficient	0.051%/°C

Packing Information

Packing Type	40'HQ
Piece/Pallet	30+35
Pallet/Container	10+10
Piece/Container	650

Electrical Data (STC*)

Module Type	BYD425MGK-36	BYD430MGK-36	BYD435MGK-36	BYD440MGK-36	BYD445MGK-36	BYD450MGK-36	BYD455MGK-36
Rate Maximum Power (Pmax)(W)	425Wp	430Wp	435Wp	440Wp	445Wp	450Wp	455Wp
Open Circuit Voltage (Voc) (V)	48.49V	48.71V	48.93V	49.15V	49.37V	49.59V	49.81V
Short Circuit Current (Isc) (A)	11.24A	11.32A	11.40A	11.48A	11.56A	11.64A	11.72A
Maximum Power Voltage (Vmp)(V)	40.53V	40.74V	40.95V	41.16V	41.37V	41.58V	41.79V
Maximum Power Current (Imp) (A)	10.49A	10.56A	10.63A	10.70A	10.77A	10.84A	10.90A
Module Efficiency (%)	19.52%	19.75%	19.98%	20.21%	20.44%	20.67%	20.90%

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

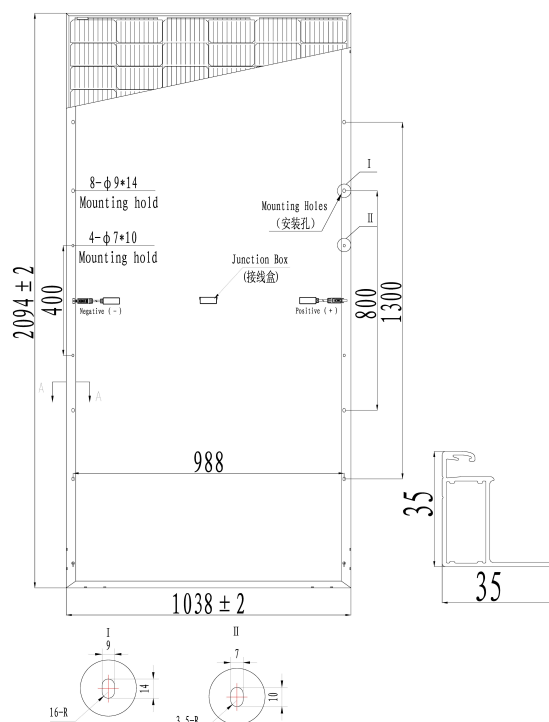
Electrical Data (NMOT*)

Module Type	BYD425MGK-36	BYD430MGK-36	BYD435MGK-36	BYD440MGK-36	BYD445MGK-36	BYD450MGK-36	BYD455MGK-36
Rate Maximum Power (Pmax)(W)	320.8Wp	324.6Wp	328.4Wp	332.3Wp	336.2Wp	340.2Wp	344.0Wp
Open Circuit Voltage (Voc) (V)	45.5V	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V
Short Circuit Current (Isc) (A)	9.07A	9.13A	9.19A	9.26A	9.32A	9.39A	9.45A
Maximum Power Voltage (Vmp)(V)	37.3V	37.5V	37.6V	37.8V	38.0V	38.2V	38.3A
Maximum Power Current (Imp) (A)	8.60A	8.67A	8.73A	8.79A	8.85A	8.91A	8.98A

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



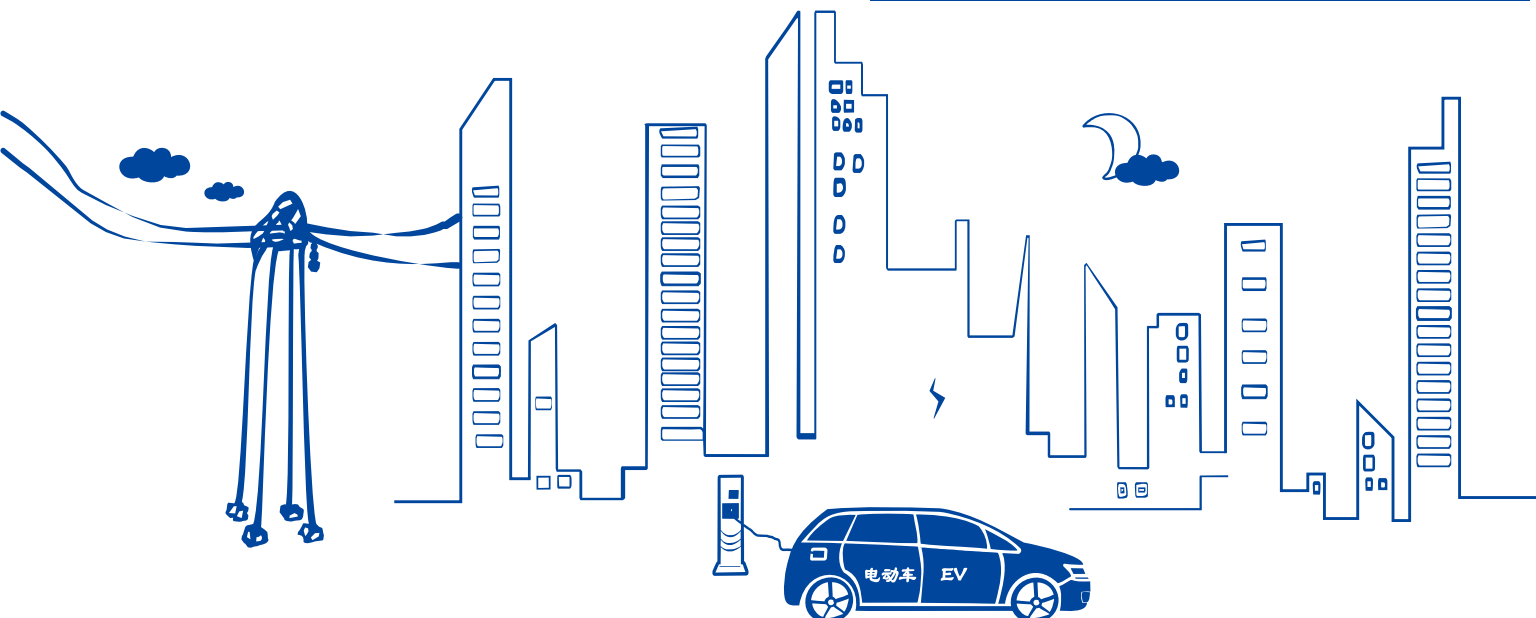
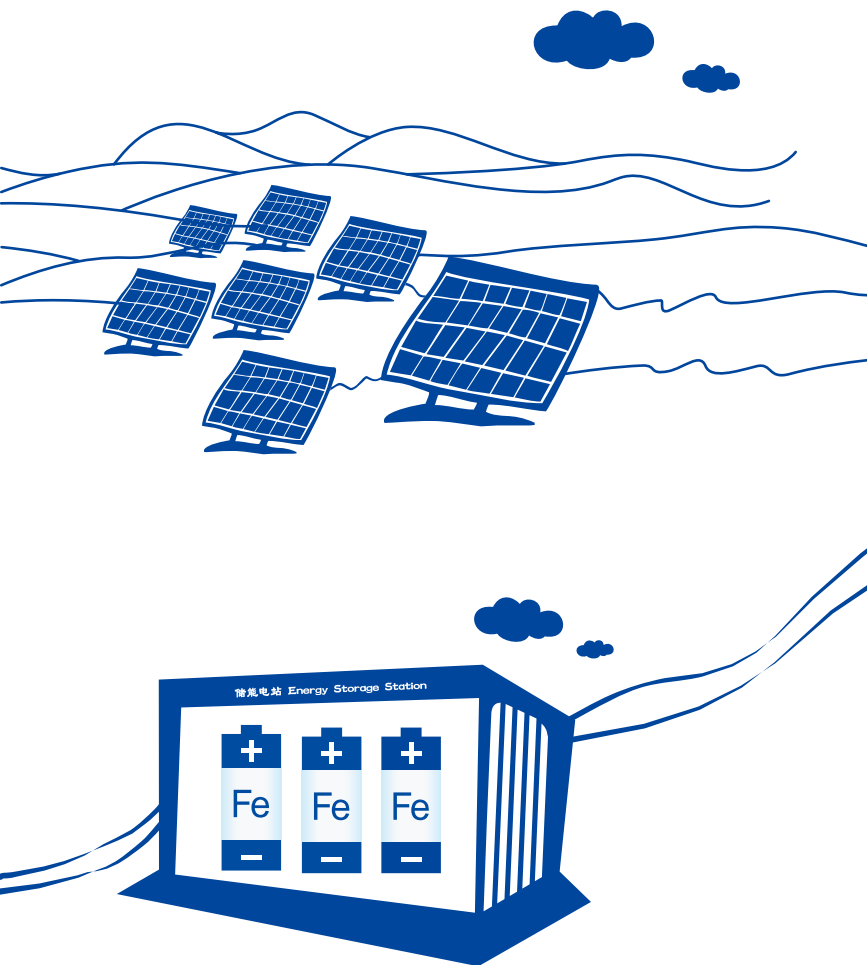
BYD COMPANY LIMITED

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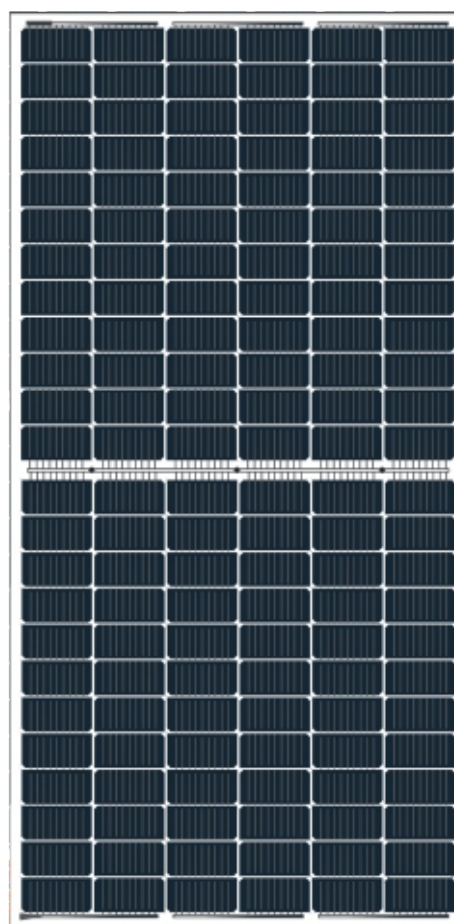


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IEC61215-1-1(ed.1)
IEC61215-2(ed.1)
IEC61730-1(ed.2)
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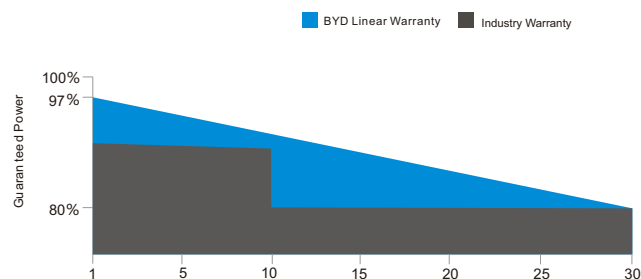
BYD

Mono Half Cell Module

BYD MGTK-36-166M 425W-455W



PV Module 30 Years Linear Performance Warranty



BYD MGTK-36-166M 425W-455W

Mechanical Properties

Cell Type	166mm*83mm
Number of Cells	144
Dimension of Module	2094*1038*35mm
Weight	24.1kg±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	-0.352%/°C
Open-Circuit Voltage Temperature Coefficient	-0.285%/°C
Short-Circuit Current Temperature Coefficient	0.051%/°C

Packing Information

Packing Type	40'HQ
Piece/Pallet	30+35
Pallet/Container	10+10
Piece/Container	650

Electrical Data (STC*)

Module Type	BYD425MGTK-36	BYD430MGTK-36	BYD435MGTK-36	BYD440MGTK-36	BYD445MGTK-36	BYD450MGTK-36	BYD455MGTK-36
Rate Maximum Power (Pmax)(W)	425Wp	430Wp	435Wp	440Wp	445Wp	450Wp	455Wp
Open Circuit Voltage (Voc) (V)	48.49V	48.71V	48.93V	49.15V	49.37V	49.59V	49.81V
Short Circuit Current (Isc) (A)	11.24A	11.32A	11.40A	11.48A	11.56A	11.64A	11.72A
Maximum Power Voltage (Vmp)(V)	40.53V	40.74V	40.95V	41.16V	41.37V	41.58V	41.79V
Maximum Power Current (Imp) (A)	10.49A	10.56A	10.63A	10.70A	10.77A	10.84A	10.90A
Module Efficiency (%)	19.52%	19.75%	19.98%	20.21%	20.44%	20.67%	20.90%

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

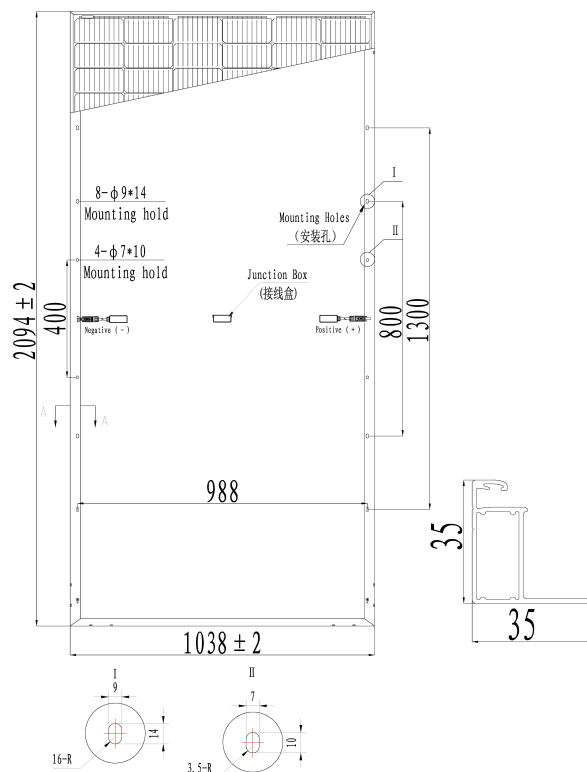
Electrical Data (NMOT*)

Module Type	BYD425MGTK-36	BYD430MGTK-36	BYD435MGTK-36	BYD440MGTK-36	BYD445MGTK-36	BYD450MGTK-36	BYD455MGTK-36
Rate Maximum Power (Pmax)(W)	320.8Wp	324.6Wp	328.4Wp	332.3Wp	336.2Wp	340.2Wp	344.0Wp
Open Circuit Voltage (Voc) (V)	45.5V	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V
Short Circuit Current (Isc) (A)	9.07A	9.13A	9.19A	9.26A	9.32A	9.39A	9.45A
Maximum Power Voltage (Vmp)(V)	37.3V	37.5V	37.6V	37.8V	38.0V	38.2V	38.3A
Maximum Power Current (Imp) (A)	8.60A	8.67A	8.73A	8.79A	8.85A	8.91A	8.98A

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	Power Gain (Eg.445W)	5%	10%	15%	20%	25%
NOCT(Nominal operating cell temperature)	45°C±2°C	Rate Maximum Power (Pmax)(W)	467Wp	490Wp	512Wp	534Wp	556Wp
Maximum System Voltage (V)	1500 (VDC)	Open Circuit Voltage (Voc) (V)	49.1V	49.1V	49.1V	49.1V	49.1V
Maximun Fuse Current Rating (A)	20A	Short Circuit Current (Isc) (A)	12.11A	12.69A	12.11A	12.69A	12.11A
Fire Safety	Class C	Maximum Power Voltage (Vmp)(V)	41.31V	41.31V	41.31V	41.31V	41.31V
Power Tolerance	0-5W	Maximum Power Current (Imp) (A)	11.31A	11.85A	12.39A	12.93A	13.47A
Bifacial Factor	70%						



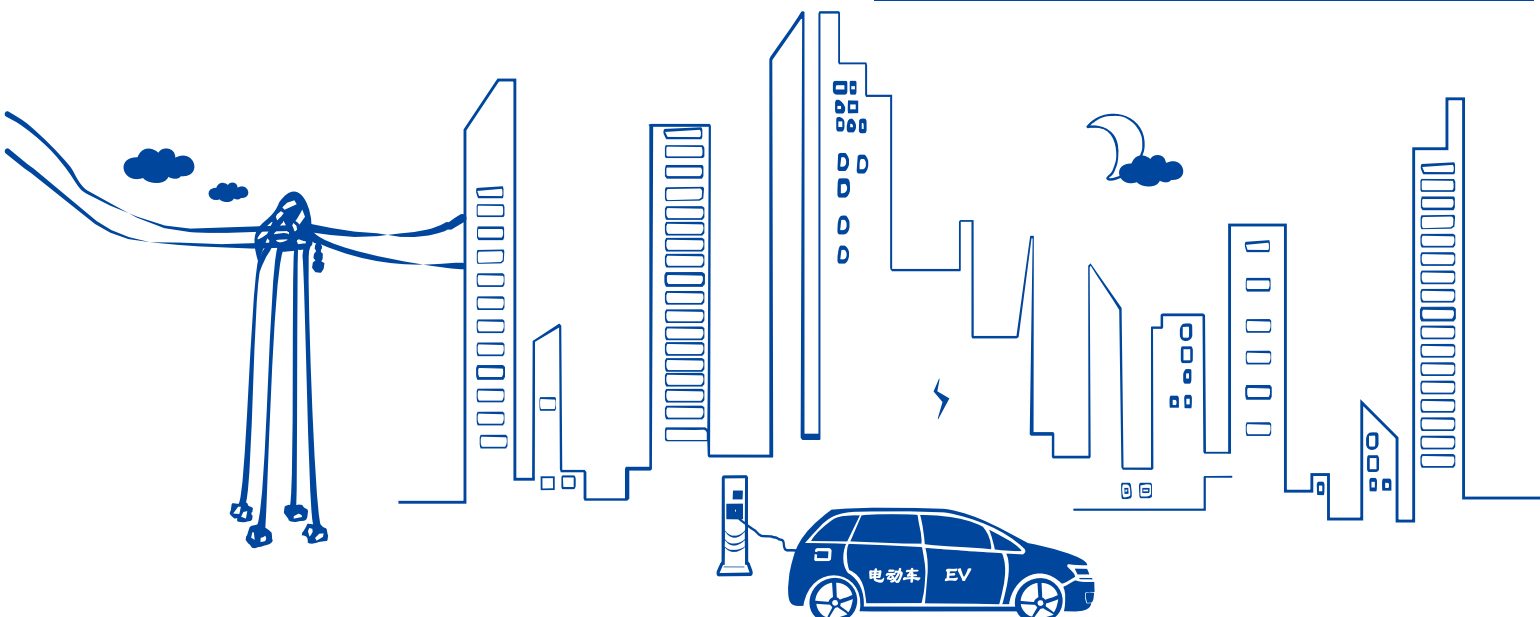
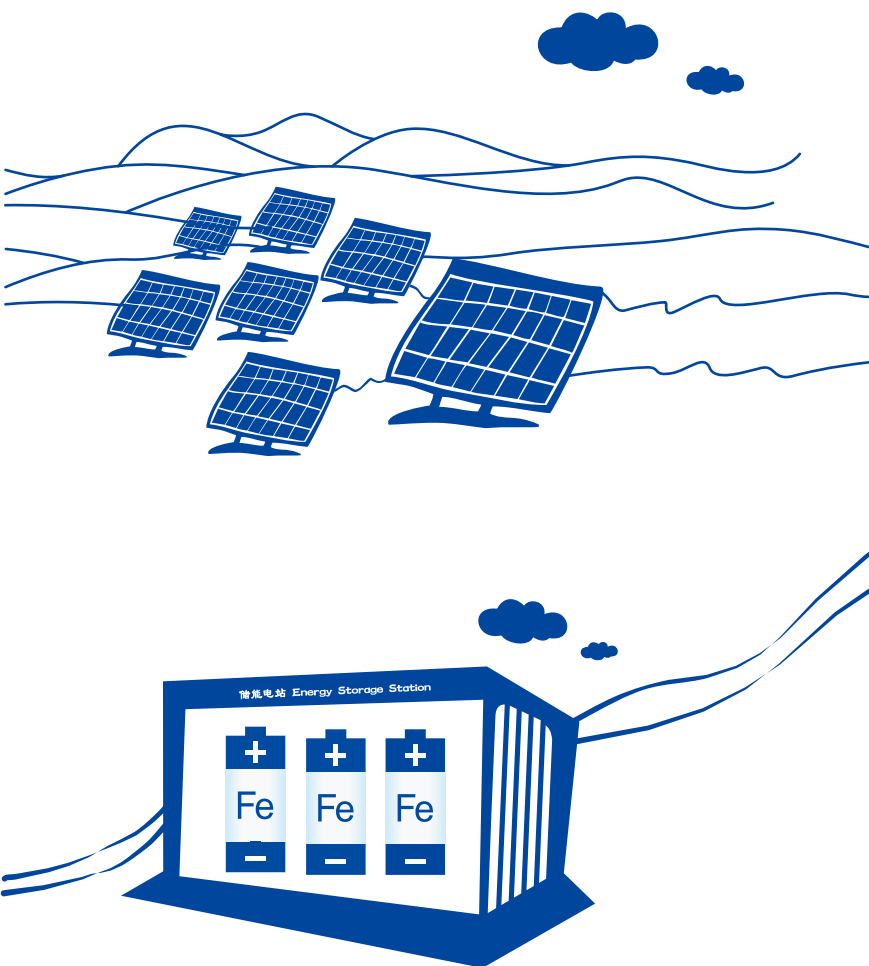
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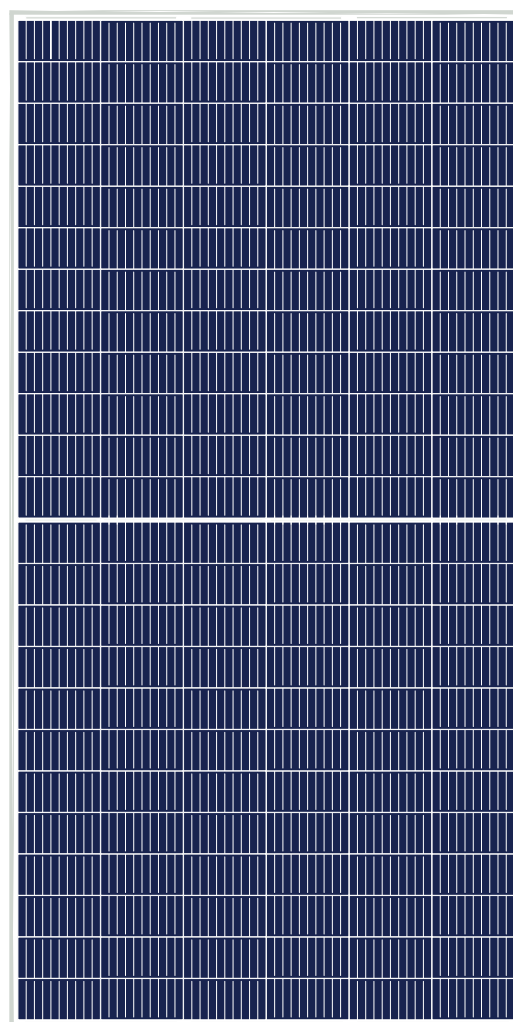


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IEC61215-2(ed.1)
IEC61730-1(ed.2)
IEC61730-2(ed.2)

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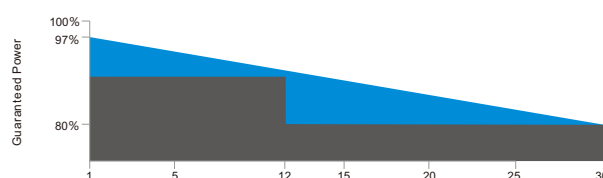
Mono Half Cell Module

BYD MLTK-36-SERIES 515W-535W



PV Module 30 Years Linear Performance Warranty

■ BYD Linear Warranty ■ Industry Warranty





BYD MLTK-36-SERIES 515W-535W

Mechanical Properties

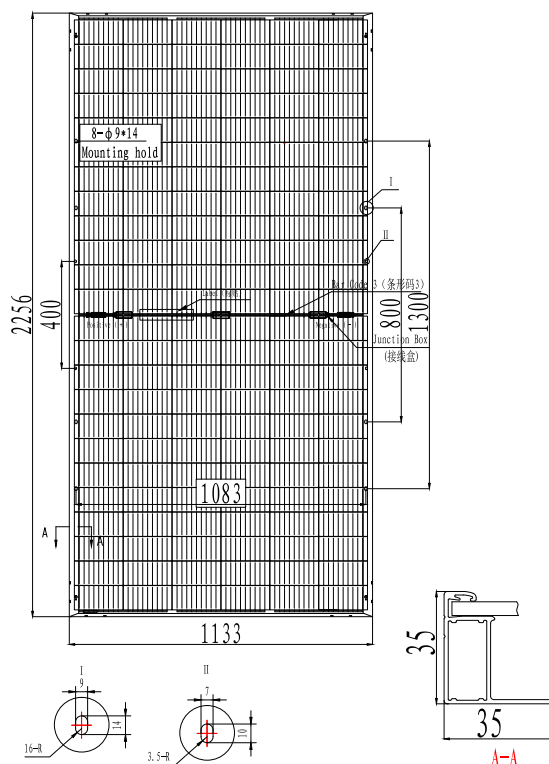
CellType	182mm*91mm
NumberofCells	144
Dimension of Module	2256*1133*35mm
Weight	29kg $\pm 5\%$
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP67(3 Diodes)
Cable Length	+320mm , -260mm(4.0mm ²)
Connector	MC4 Compatible

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

PackingType	40' HQ
Piece/Pallet	30
Pallet/Container	20
Piece/Container	600



ElectricalData (STC*)

Module Type	BYD515MLTK-36	BYD520MLTK-36	BYD525MLTK-36	BYD530MLTK-36	BYD535MLTK-36
Rate Maximum Power Pmax)(W)	515Wp	520Wp	525Wp	530Wp	535Wp
Open Circuit Voltage (Voc) (V)	48.22V	48.52 V	48.82 V	49.12 V	49.42 V
Short Circuit Current (Isc) (A)	13.33 A	13.37 A	13.41A	13.45 A	13.49A
Maximum Power Voltage (Vmp)(V)	40.95V	41.17V	41.39V	41.61V	41.83V
Maximum Power Current (Imp) (A)	12.59 A	12.64 A	12.69A	12.74 A	12.79A
Module Efficiency %)	20.12%	20.32%	20.51%	20.71%	20.90%

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

Electrical Data (NMOT*)

Module Type	BYD515MLTK -36	BYD520MLTK-36	BYD525MLTK-36	BYD530MLTK-36	BYD535MLTK-36
Rate Maximum Power Pmax)(W)	388.8Wp	392.0Wp	395.9Wp	399.5Wp	403.1Wp
Open Circuit Voltage (Voc) (V)	45.50 V	45.70 V	46.00 V	46.30 V	46.60 V
Short Circuit Current (Isc) (A)	10.72 A	10.77 A	10.81 A	10.84 A	10.87 A
Maximum Power Voltage (Vmp)(V)	38.10 V	38.30 V	38.50 V	38.80 V	39.00 V
Maximum Power Current (Imp) (A)	10.20 A	10.24 A	10.27 A	10.30 A	10.33 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

OperatingTemperature(°C)	-40 °C~+85°C	PG. 530W	5%	10%	15%	20%	25%
NOCT(Nominal operating cell temperature)	45°C $\pm 2^{\circ}\text{C}$	Rate Maximum Power Pmax)(W)	557Wp	583Wp	610Wp	636Wp	663Wp
MaximumSystemVoltage(V)	1500 (VDC)	Open Circuit Voltage (Voc) (V)	49.12 V	49.12 V	49.12V	49.12V	49.12V
MaximunFuseCurrent Rating(A)	25A	Short Circuit Current (Isc) (A)	14.12 A	14.80A	15.47A	16.14 A	16.81A
Fire Safety	Class C	Maximum Power Voltage (Vmp)(V)	41.61V	41.61V	41.61V	41.61V	41.61V
Power Tolerance	0-5W	Maximum Power Current (Imp) (A)	13.377A	14.014A	14.651A	15.288A	15.925A
Bifacial Factor	70%						

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BYD MSTK-33-SERIES 650-670W

Mechanical Properties

Cell Type	210mm*105mm
Number of Cells	132
Dimension of Module	2384*1303*35mm
Weight	kg ± 5%
Front Glass	3.2mm tempered glass with AR Coating
Frame	Anodized aluminum alloy
Junction Box	IP68(3 Diodes)
Cable Length	+320mm, -260mm(4.0mm²)
Connector	MC4 Compatible

Temperature Coefficient

Peak Power Temperature Coefficient	-0.32 8%/°C
Open-Circuit Voltage Temperature Coefficient	-0.25 4%/°C
Short-Circuit Current Temperature Coefficient	0.04 1%/°C

Packing Information

Packing Type	40'HQ
Piece/Pallet	30+30
Pallet/Container	10+10
Piece/Container	600

Electrical Data (STC*)

Module Type	BYD650MSTK-33	BYD655MSTK-33	BYD660MSTK-33	BYD665MSTK-33	BYD670MSTK-33
Rate Maximum Power (Pmax)(W)	650Wp	655Wp	660Wp	665Wp	670Wp
Open Circuit Voltage (Voc) (V)	44.451V	454.55V	44.616V	44.682V	44.814V
Short Circuit Current (Isc) (A)	18.171A	18.213A	18.241A	18.269A	18.325A
Maximum Power Voltage (Vmp)(V)	37.861V	37.95V	38.036V	38.122V	38.214V
Maximum Power Current (Imp) (A)	17.184A	17.271A	17.359A	17.445A	17.537A
Module Efficiency (%)	20.94%	21.10%	21.26%	21.41%	21.57%

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

Electrical Data (NMOT*)

Module Type	BYD650MSTK-33	BYD655MSTK-33	BYD660MSTK-33	BYD665MSTK-33	BYD670MSTK-33
Rate Maximum Power (Pmax)(W)	490.2Wp	493.1Wp	496.3Wp	499.3Wp	502.35Wp
Open Circuit Voltage (Voc) (V)	42.00V	42.00V	42.10V	42.20V	42.25V
Short Circuit Current (Isc) (A)	14.62A	14.65A	14.67A	14.69A	14.715A
Maximum Power Voltage (Vmp)(V)	35.20V	35.40V	35.50V	35.60V	35.75V
Maximum Power Current (Imp) (A)	13.92A	13.94A	13.99A	14.01A	14.04A

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)	25A
Fire Safety	Class C
Power Tolerance	0-5W
Bifacial Factor	70%

