

AU-120MH

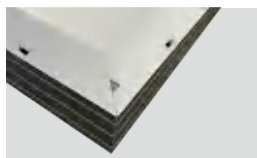
POWER RANGE
360W~380W

CELL SIZE
166*83mm



JUNCTION BOX

Waterproof protection grade: IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



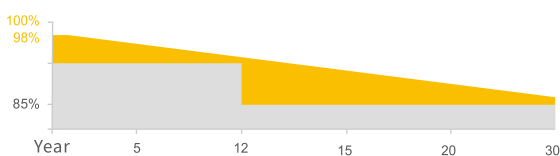
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QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12 YEARS Guarantee on product material and workmanship

30 YEARS Linear Power output warranty



Half-cut Technology

New circuit design, lower internal current and lower internal resistance loss



Significantly avoiding heat spot

The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules.



Lower cost

Increasing power generation can reduce the cost per kilowatt-hour



Excellent performance of PID resistance

The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.



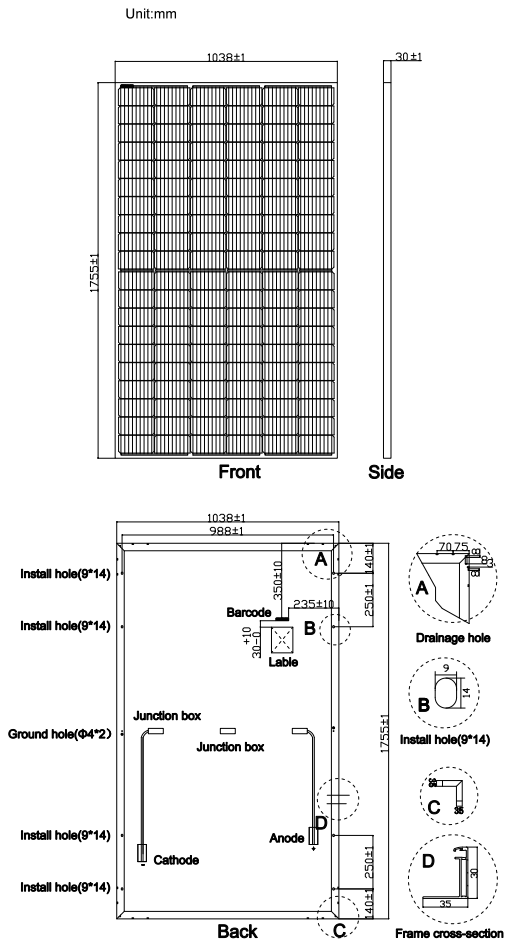
AUSTA ENERGY
www.austagroup.com

AUSTA ENERGY established in 2008, is a high-tech enterprise integrating R&D, production and sales of solar energy products. It is committed to the overall solution of distributed photovoltaic system and provides services from consulting, design, construction, financing to intelligent operation and maintenance.

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PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	AU360-30V -MH	AU365-30V -MH	AU370-30V -MH	AU375-30V -MH	AU380-30V -MH
Peak Power(Pmax)	360.00	365.00	370.00	375.00	380.00
Maximum Power Voltage(Vmp)	34.00	34.20	34.40	34.60	34.80
Maximum Power Current(Imp)	10.59	10.68	10.76	10.84	10.92
Open Circuit Voltage(Voc)	40.50±3%	40.80±3%	40.90±3%	41.10±3%	41.30±3%
Short Circuit Current(Isc)	11.35±3%	11.43±3%	11.52±3%	11.60±3%	11.69±3%
Module Efficiency(%)	19.76	20.03	20.31	20.58	20.85

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

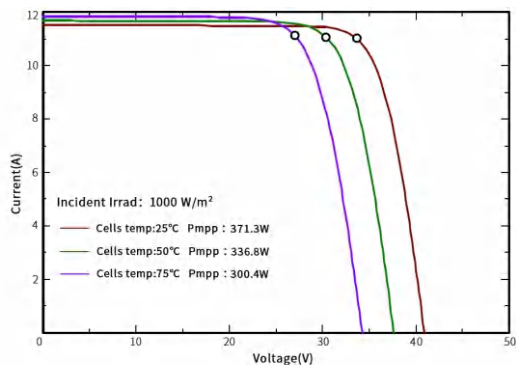
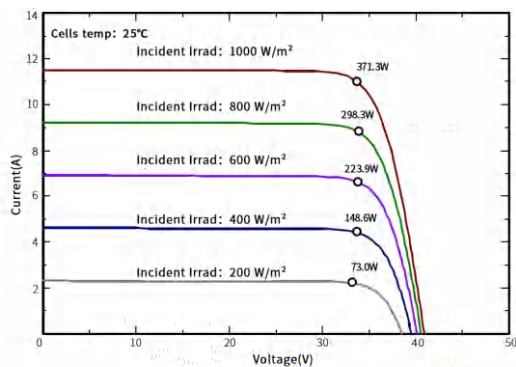
Model Type	AU360-30V -MH	AU365-30V -MH	AU370-30V -MH	AU375-30V -MH	AU380-30V -MH
Peak Power(Pmax)	268.80	272.60	276.30	280.00	283.80
Maximum Power Voltage(Vmp)	31.70	31.80	32.00	32.20	32.40
Maximum Power Current(Imp)	8.49	8.56	8.63	8.69	8.76
Open Circuit Voltage(Voc)	38.00±3%	38.20±3%	38.30±3%	38.50±3%	38.70±3%
Short Circuit Current(Isc)	9.17±3%	9.25±3%	9.32±3%	9.38±3%	9.45±3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.270 %/°C
Isc Temperature Coefficients (A/°C)	+0.048 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

IV CURVE (370W)



MECHANICAL CHARACTERISRTICS

Cell Type	166*83 Mono
No. of Cells	120 (12*10)
Dimensions	1755*1038*30mm
Weight	19.50kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 55cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	6 Packages/222pcs
40HQ container	26 Packages/1014pcs

Austa



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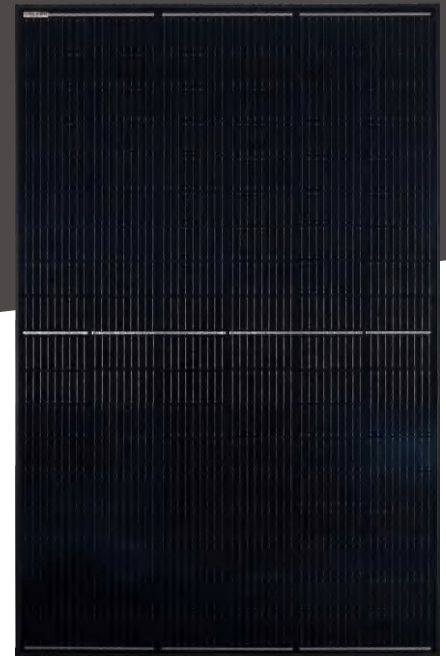
AU-108MHB

POWER RANGE

390W~410W

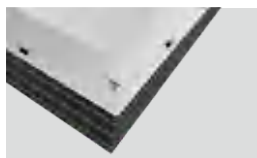
CELL SIZE

182*91mm



JUNCTION BOX

Waterproof protection grade:IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



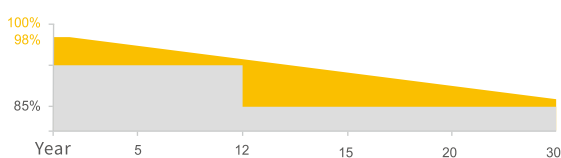
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QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12 YEARS

Guarantee on product material and workmanship

30 YEARS

Linear Power output warranty



Half-cut Technology

New circuit design, lower internal current and lower internal resistance loss



Significantly avoiding heat spot

The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules.



Lower cost

Increasing power generation can reduce the cost per kilowatt-hour



Excellent performance of PID resistance

The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.



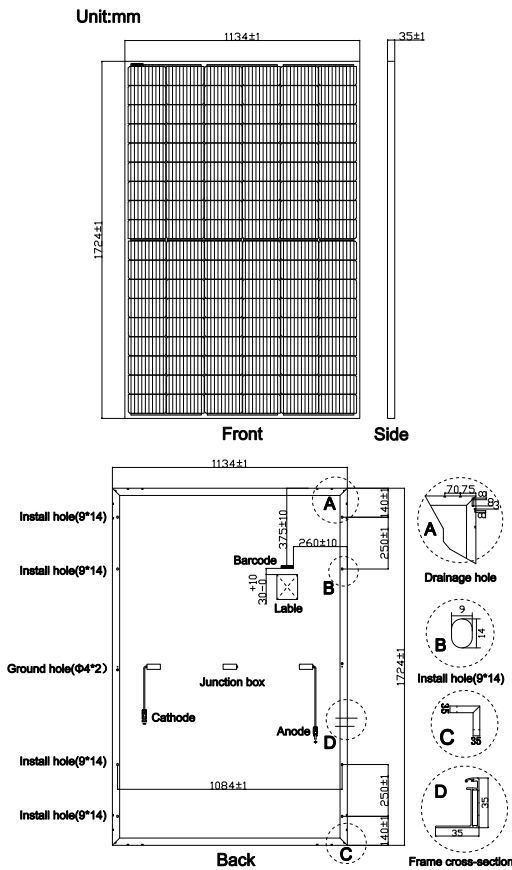
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PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	AU390-27V -MHB	AU395-27V -MHB	AU400-27V -MHB	AU405-27V -MHB	AU410-27V -MHB
Peak Power(Pmax)	390.00	395.00	400.00	405.00	410.00
Maximum Power Voltage(Vmp)	30.82	30.98	31.14	31.30	31.46
Maximum Power Current(Imp)	12.66	12.76	12.85	12.94	13.04
Open Circuit Voltage(Voc)	36.65±3%	36.85±3%	37.05±3%	37.25±3%	37.45±3%
Short Circuit Current(Isc)	13.49±3%	13.58±3%	13.67±3%	13.76±3%	13.85±3%
Module Efficiency(%)	19.94	20.20	20.46	20.71	20.97

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

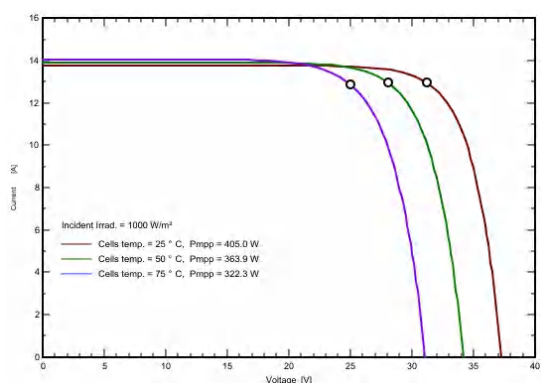
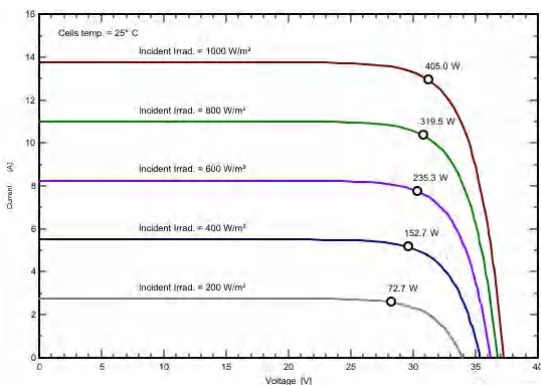
Model Type	AU390-27V -MHB	AU395-27V -MHB	AU400-27V -MHB	AU405-27V -MHB	AU410-27V -MHB
Peak Power(Pmax)	290.0	293.7	297.4	301.1	304.8
Maximum Power Voltage(Vmp)	28.56	28.72	28.88	29.04	29.20
Maximum Power Current(Imp)	10.16	10.23	10.30	10.37	10.44
Open Circuit Voltage(Voc)	34.33±3%	34.51±3%	34.69±3%	34.87±3%	35.05±3%
Short Circuit Current(Isc)	10.84±3%	10.92±3%	11.00±3%	11.08±3%	11.16±3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.285 %/°C
Isc Temperature Coefficients (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

IV CURVE (405W)



MECHANICAL CHARACTERISRTICS

Cell Type	182*91 Black Mono
No. of Cells	108 (12*9)
Dimensions	1724*1134*35mm
Weight	21.50kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	6 Packages/186pcs
40HQ container	26 Packages/806pcs

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info@aulaworld.at

www.aulaworld.at

AU-144MH

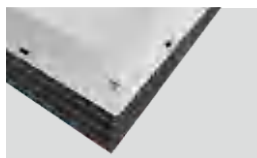


POWER RANGE
430W~460W

CELL SIZE
166*83mm



JUNCTION BOX
Waterproof protection grade:IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame
Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



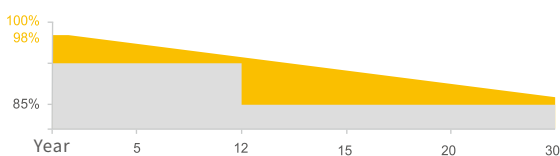
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QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



- 12 YEARS** Guarantee on product material and workmanship
- 30 YEARS** Linear Power output warranty



Half-cut Technology
New circuit design, lower internal current and lower internal resistance loss



Significantly avoiding heat spot
The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules.



Lower cost
Increasing power generation can reduce the cost per kilowatt-hour



Excellent performance of PID resistance
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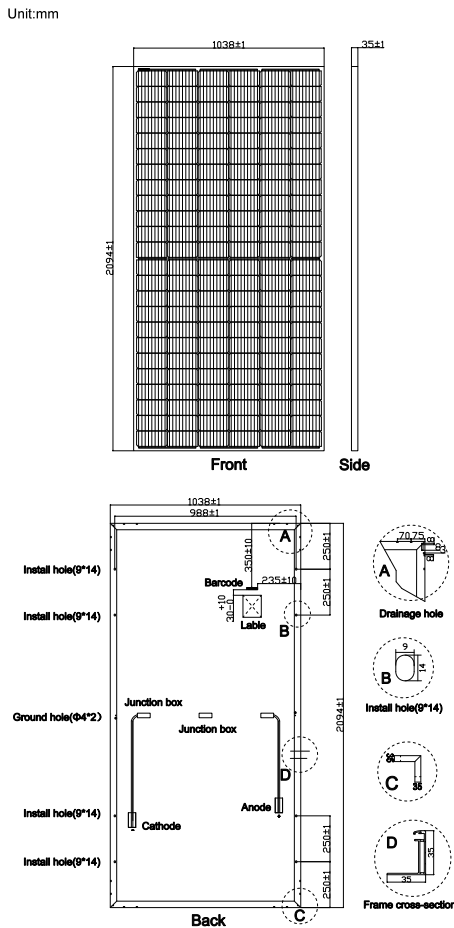
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PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	AU430-36V-MH	AU440-36V-MH	AU450-36V-MH	AU460-36V-MH
Peak Power(Pmax)	430.00	440.00	450.00	460.00
Maximum Power Voltage(Vmp)	40.70	41.10	41.50	41.90
Maximum Power Current(Imp)	10.57	10.71	10.85	10.99
Open Circuit Voltage(Voc)	48.50±3%	48.90±3%	49.30±3%	49.70±3%
Short Circuit Current(Isc)	11.31±3%	11.46±3%	11.60±3%	11.72±3%
Module Efficiency(%)	19.78	20.24	20.70	21.16

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

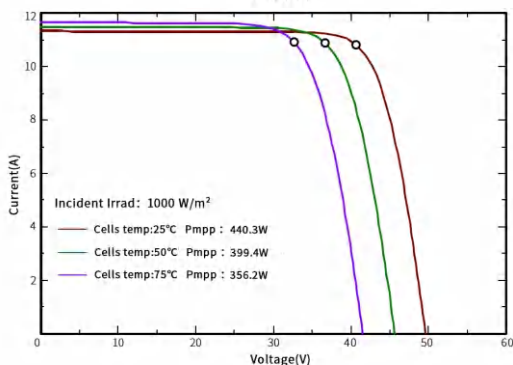
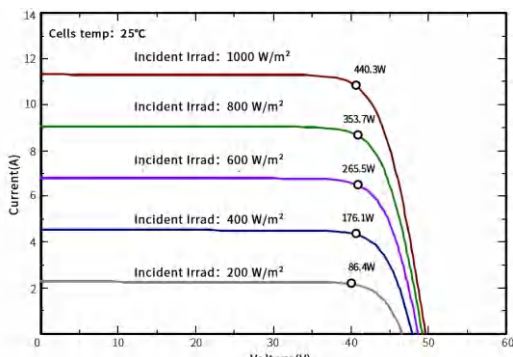
Model Type	AU430-36V-MH	AU440-36V-MH	AU450-36V-MH	AU460-36V-MH
Peak Power(Pmax)	321.10	328.60	336.10	343.50
Maximum Power Voltage(Vmp)	37.90	38.30	38.60	39.00
Maximum Power Current(Imp)	8.47	8.59	8.70	8.80
Open Circuit Voltage(Voc)	45.50±3%	45.80±3%	46.20±3%	46.60±3%
Short Circuit Current(Isc)	9.15±3%	9.27±3%	9.38±3%	9.48±3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.270 %/°C
Isc Temperature Coefficients (A/°C)	+0.048 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

IV CURVE (440W)



MECHANICAL CHARACTERISTICS

Cell Type	166*83 Mono
No. of Cells	144 (12*12)
Dimensions	2094*1038*35mm
Weight	23.50kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	5 Packages/155pcs
40HQ container	22 Packages/726pcs

Austa



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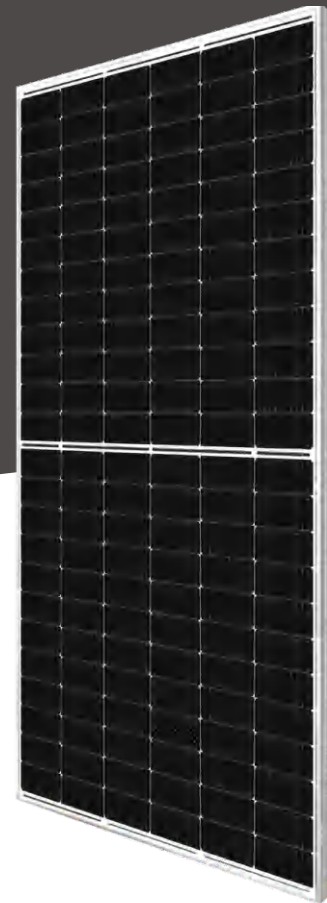
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AU-144MH

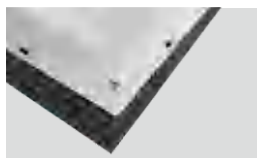
POWER RANGE
525W~550W

CELL SIZE
182*91mm



JUNCTION BOX

Waterproof protection grade:IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



10BB

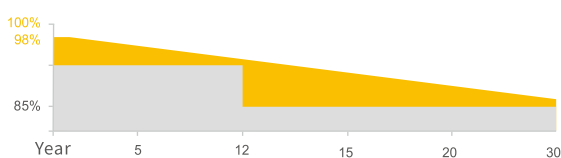


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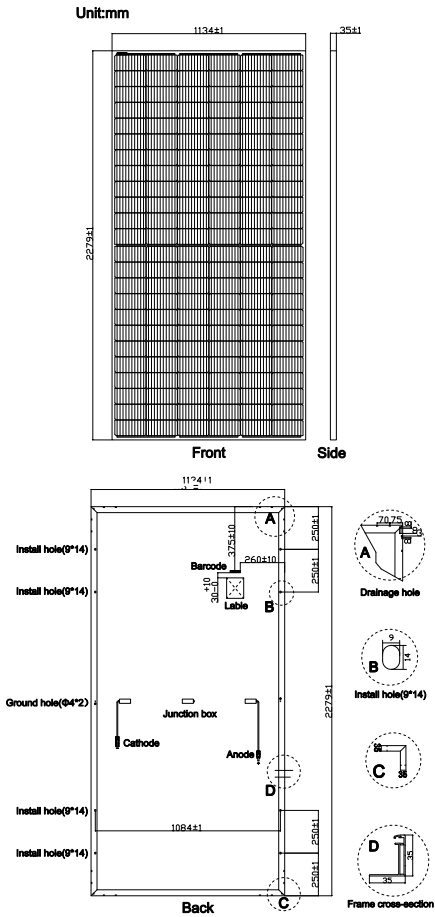
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PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	AU525-36V -MH	AU535-36V -MH	AU540-36V -MH	AU545-36V -MH	AU550-36V -MH
Peak Power(Pmax)	525.00	535.00	540.00	545.00	550.00
Maximum Power Voltage(Vmp)	41.28	41.60	41.76	41.93	42.10
Maximum Power Current(Imp)	12.72	12.84	12.93	13.00	13.16
Open Circuit Voltage(Voc)	49.10±3%	49.50±3%	49.70±3%	49.90±3%	50.10±3%
Short Circuit Current(Isc)	13.56±3%	13.74±3%	13.83±3%	13.92±3%	14.01±3%
Module Efficiency(%)	20.31	20.70	20.89	21.08	21.28

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

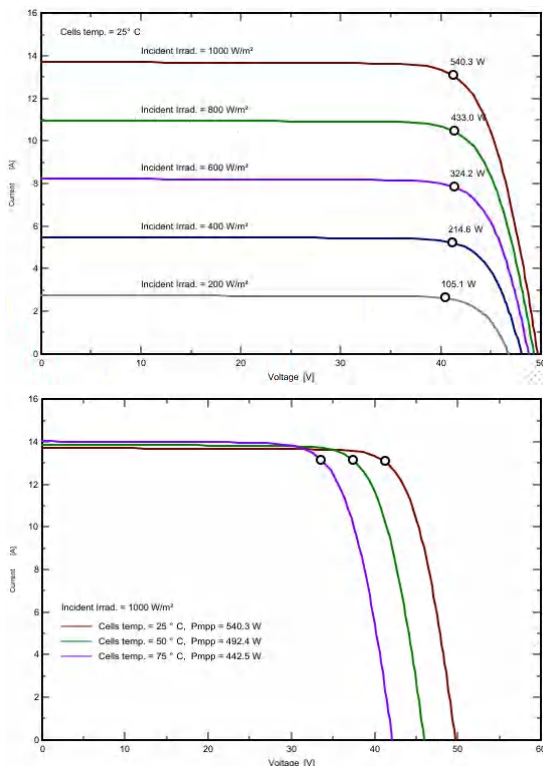
Model Type	AU525-36V -MH	AU535-36V -MH	AU540-36V -MH	AU545-36V -MH	AU550-36V -MH
Peak Power(Pmax)	390.30	397.7	401.4	405.1	408.9
Maximum Power Voltage(Vmp)	38.30	38.62	38.78	38.93	39.09
Maximum Power Current(Imp)	10.20	10.30	10.35	10.41	10.46
Open Circuit Voltage(Voc)	46.00±3%	46.36±3%	46.54±3%	46.73±3%	46.92±3%
Short Circuit Current(Isc)	10.81±3%	10.97±3%	11.05±3%	11.13±3%	11.20±3%

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TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.285 %/°C
Isc Temperature Coefficients (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

IV CURVE (540W)



MECHANICAL CHARACTERISRTICS

Cell Type	182*91 Mono
No. of Cells	144 (12*12)
Dimensions	2279*1134*35mm
Weight	28.40kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	5 Packages/155pcs
40HQ container	20 Packages/620pcs



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DHM-54X10/FS
390~420W

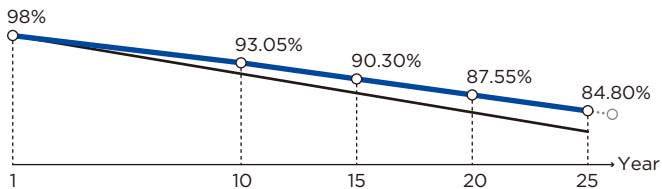
Full Screen

NO RESIDUE OF WATER & DUST

Silver Frame or Full Black design are customizable >>>

Quality Guarantee

- 12-year → Material & technology warranty
- 25-year → Linear power output warranty



- DAH Solar Linear power output guarantee
- Standard Linear power output guarantee

Comprehensive Products & System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
ISO 45001: 2018/International standards for occupational health & safety
ISO 14001: 2015/Standards for environmental management system
ISO 9001: 2015/Quality management system



Increase power generation by 6.15%+
Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.



Curved Surface 128° R Angle
Reduce holding pressure by 75%+
Curved Frame with ergonomic Design, optimized Delivery and Installation Experience.



Revolutionary Packaging Technology
Using excellent frame packaging technology, Strong Adhesion, Durable in Use.



Excellent mechanical load capacity
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal).

DHM-54X10/FS

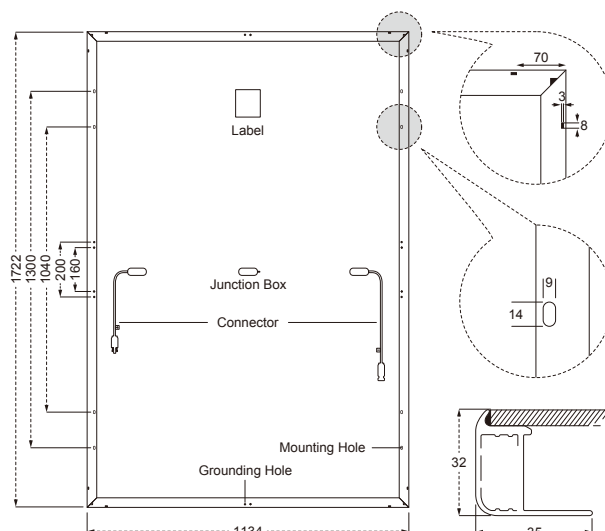
390~420W



Mechanical Specification

Cable	4.0mm ² , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	22kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

STC — Electrical Characteristics

Module Type	DHM-54X10/FS						
Maximum Power (Pmax/W)	390	395	400	405	410	415	420
Open-circuit Voltage (Voc/V)	36.4	34.6	36.8	37.0	37.2	37.4	37.6
Maximum Power Voltage (Vmp/V)	30.9	31.1	31.3	31.5	31.7	31.9	32.1
Short-circuit Current (Isc/A)	13.40	13.42	13.48	13.54	13.60	13.66	13.72
Maximum Power Current (Imp/A)	12.60	12.69	12.77	12.85	12.92	13.00	13.07
Module Efficiency (%)	19.97	20.23	20.48	20.74	21.00	21.25	21.51

Power Tolerance: 0~+5, W Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	290	294	298	301	305	309	312
Open-circuit Voltage (Voc/V)	34.1	34.3	34.5	34.7	34.9	35.1	35.3
Maximum Power Voltage (Vmp/V)	29.0	29.2	29.4	29.6	29.8	29.9	30.1
Short-circuit Current (Isc/A)	10.79	10.84	10.89	10.94	10.99	11.04	11.09
Maximum Power Current (Imp/A)	10.01	10.07	10.13	10.19	10.25	10.31	10.38

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve (DHM-54X10/FS-420W)

