

AU-60P

POWER RANGE

270W~285W

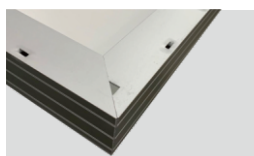
CELL SIZE

156.75*156.75mm



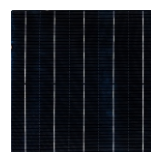
JUNCTION BOX

Waterproof protection grade: IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V/1000V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

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



5BB



MBB Cells

Absorbing current and reducing mismatched loss.



Outstanding low light performance

Available for outputting more power under low light conditions such as haze, cloudy or rainy days.



Anti-reflective glass

Increasing light absorption and reducing the loss of power.



Excellent performance of PID resistance

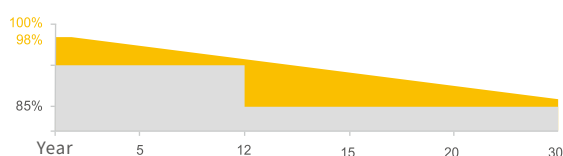
The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.

QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12
YEARS

Guarantee on product material and workmanship

30
YEARS

Linear Power output warranty

AUSTA ENERGY
www.austagroup.com

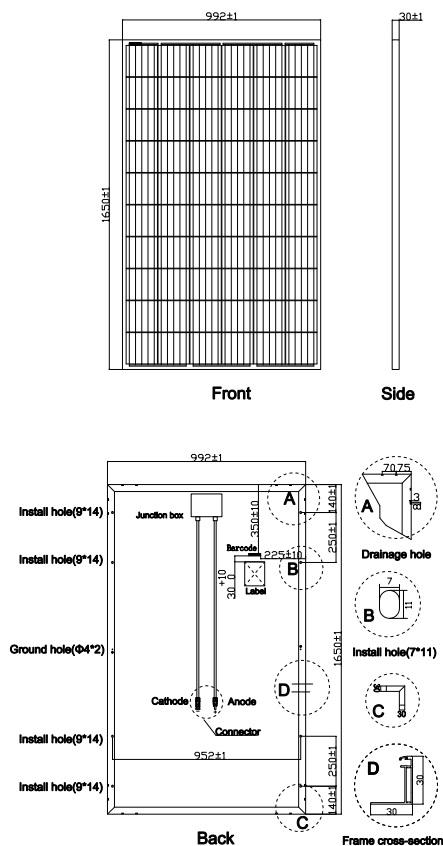
AUSTA ENERGY established in 2008, is a high-tech enterprise integrating R&D, production and sales of solar energy products. It is committed to the overall solution of distributed photovoltaic system and provides services from consulting, design, construction, financing to intelligent operation and maintenance.

AUSTA has 3 production sites in China and branches and representative offices in more than 10 countries overseas. Products include solar cells, modules, On/Off grid solar system, solar pump and other solar related applications. Our products have passed many international certifications such as TUV, MCS, CEC, IEC, ISO, CE, CQC and so on. With excellent quality, our products are exported to more than 100 countries of the world.

Since its establishment, AUSTA has always followed the idea of "Smart energy, Lightening future". It has followed the steps of "the Belt and Road Initiative", we bring bright light to the countries and people who are short of electricity. Sharing the concept of modern civilization, and building a green home together.

PV DRAWINGS

Unit:mm



ELECTRICAL DATA (STC)

Model Type	AU-270W30P	AU-275W30P	AU-280W30P	AU-285W30P
Peak Power(Pmax)	270.00	275.00	280.00	285.00
Maximum Power Voltage(Vmp)	31.70	31.79	31.94	32.03
Maximum Power Current(Imp)	8.52	8.66	8.77	8.90
Open Circuit Voltage(Voc)	38.83±3%	38.94±3%	39.13±3%	39.24±3%
Short Circuit Current(Isc)	8.97±3%	9.12±3%	9.23±3%	9.37±3%
Module Efficiency(%)	16.49	16.80	17.10	17.41

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

ELECTRICAL DATA (NOCT)

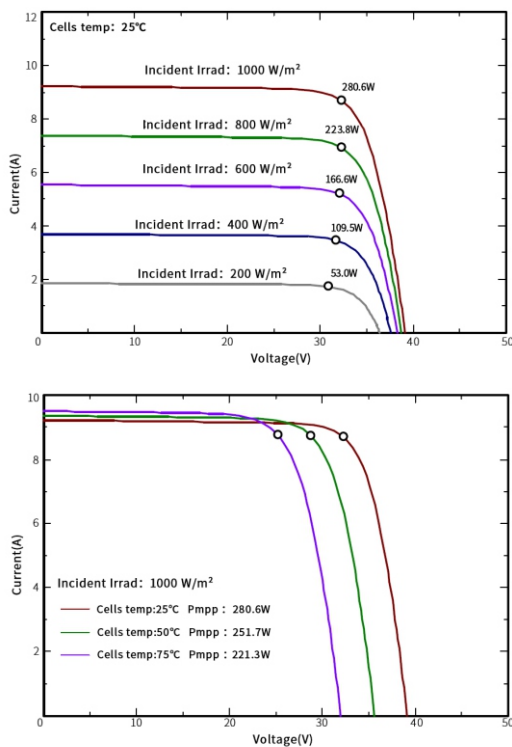
Model Type	AU-270W30P	AU-275W30P	AU-280W30P	AU-285W30P
Peak Power(Pmax)	200.00	204.00	208.00	212.00
Maximum Power Voltage(Vmp)	29.16	29.25	29.39	29.46
Maximum Power Current(Imp)	6.86	6.98	7.08	7.20
Open Circuit Voltage(Voc)	35.93±3%	36.04±3%	36.21±3%	36.29±3%
Short Circuit Current(Isc)	7.27±3%	7.40±3%	7.50±3%	7.63±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)	1500/1000 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.400 %/°C
Voc Temperature Coefficients (V/°C)	-0.300 %/°C
Isc Temperature Coefficients (A/°C)	+0.060 %/°C
NOCT Nominal Operating Cell Remperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

IV CURVE (280W)



MECHANICAL CHARACTERISRTICS

Cell Type	156.75*156.75 Poly
No. of Cells	60 (6*10)
Dimensions	1650*992*30mm
Weight	18.40kg
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 (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	12 Packages/444pcs
40HQ container	28 Packages/1120pcs

Austa



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The company reserves the right of final interpretation, November 2020 edition