



Anglo Solar | A British solar module brand owned by UKSOL Ltd.

Anglo Solar, Globe Park,
Third Avenue Jubilee,
Marlow, SL7 1EY

Phone: 01628 272988
Email: info@anglosolar.com
www.anglosolar.com

Model: AS-S132-M10N-R1

POWER OUTPUT

595-625W

TOPCon 182mm Cell, Monofacial

High Module Conversion Efficiency

Module efficiency up to 23.1% achieved through advanced cell technology and manufacturing process

Lower Operating Temperatures

Lower operating temperature and temperature coefficient increase the power output

Excellent Weak Light Performance

More power output in weak light condition, such as cloudy, morning and sunset

Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)

IP68 junction box

High waterproof and dustproof level

- Max Module Efficiency: 23.1%
- No. of Cells: 132 (6 x 20)
- Weight: 30kgs
- Dimensions: 2382 x 1134 x 35mm
- Monocrystalline 182mm

1.00% First Year Power Degradation

0.40% Annual Degradation



30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



12 YEAR
PRODUCT
WARRANTY

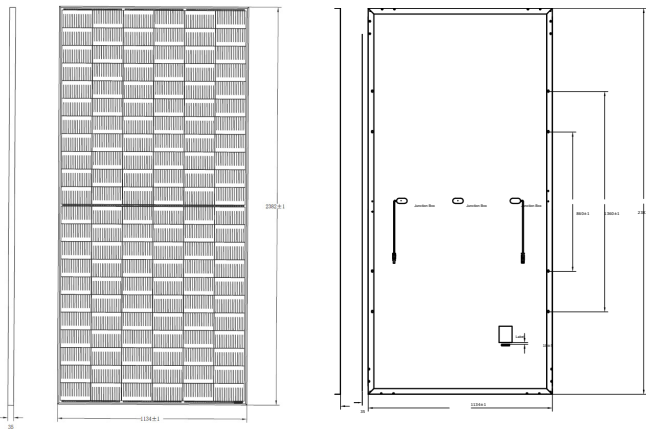
* Specifications are subject to change without further notification



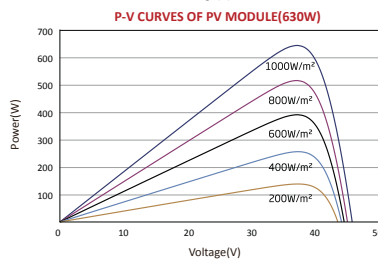
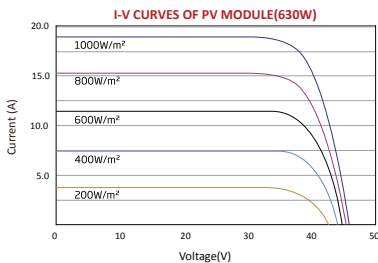
30 YEAR WARRANTY



ENGINEERING DRAWING



I-V CURVES



TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.29 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coefficient of Isc	0.046 %/°C
NMOT (Nominal Module Operating Temperature)	42°C (±2°C)

Model: AS-S132-M10N-R1-XXX

595-625W

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	595	600	605	610	615	620	625
Optimum Operating Voltage (Vmp)	39.9	40.1	40.3	40.5	40.7	40.9	41.1
Optimum Operating Current (Imp)	14.91	14.97	15.02	15.07	15.12	15.17	15.21
Open Circuit Voltage (Voc)	48.0	48.2	48.4	48.6	48.8	49.0	49.2
Short Circuit Current (Isc)	15.83	15.90	15.96	16.03	16.10	16.16	16.22
Power Tolerance	0~+5w						
STC: Irradiance 1000W/m ² , Cell temperature 25°C, Air Mass AM1.5							

NMOT

Maximum Power at NMOT (PMax)	449W	453W	457W	461W	465W	469W	473W
Optimum Operating Voltage (Vmp)	37.2	37.4	37.6	37.8	38.0	38.2	38.4
Optimum Operating Current (Imp)	12.07	12.11	12.15	12.20	12.24	12.28	12.32
Open-Circuit Voltage (Voc/V)	45.6	45.8	46.0	46.2	46.4	46.6	46.8
Short Circuit Current (Isc) (A)	12.71	12.76	12.82	12.88	12.93	12.99	13.04
NMOT: Irradiance 800 W/m ² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s							

MECHANICAL CHARACTERISTICS

Solar Cells	N-Type TOPCon Monocrystalline Monofacial
No. of Cells	132 Cells (6 x 20)
Module Dimensions	2382 x 1134 x 35mm
Encapsulant Material	POE/EVA
Weight	30.0kgs
Cable Length	350mm or customised length
Cable Cross Section Size	TUV: 4mm
Front Glass	3.2mm, AR coated tempered glass
No. of Bypass Diodes	3
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated.
Packing Configuration	31 pcs/ Carton, 620 pcs/40HQ

OPERATING CONDITIONS

Maximum System Voltage	1500V/DC (IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa / Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible