



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

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Model: AS-S132-M10N-R1

POWER OUTPUT

595-625W

TOPCon 182mm Cell



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 1132 x 35mm
- Monocrystalline 182mm

30 YEAR WARRANTY



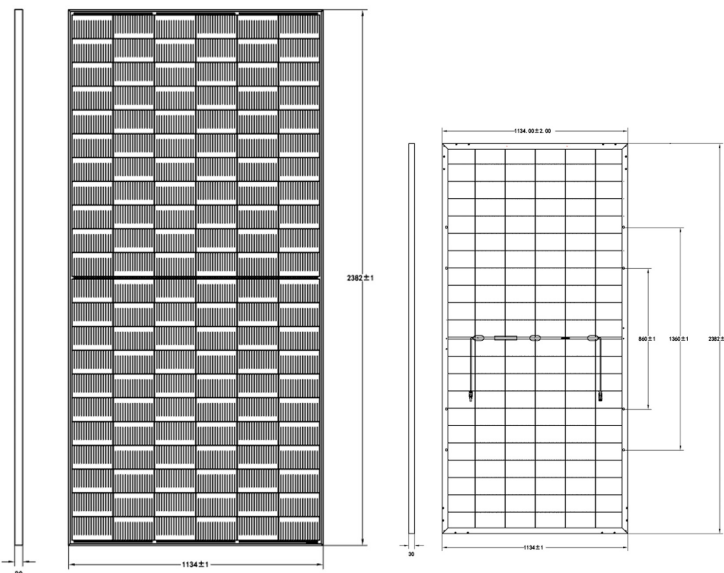
30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



12 YEAR
PRODUCT
WARRANTY

* Specifications are subject to change without further notification

ENGINEERING DRAWING



Model: AS-S132-M10N-R1-XXX **595-625W**

ELECTRICAL CHARACTERISTICS

Peak Power Watts-PMAX (Wp)*	595	600	605	610	615	620	625
Maximum Power Voltage (Vmp/V)	39.9	40.1	40.3	40.5	40.7	40.9	41.1
Maximum Power Current (Imp)	14.91	14.97	15.02	15.07	15.12	15.17	15.21
Open-Circuit Voltage (Voc/V)	48.0	48.2	48.4	48.6	48.8	49.0	49.2
Short-Circuit Current (Isc/A)	15.83	15.90	15.96	16.03	16.10	16.16	16.22
Module Efficiency ηm (%)	22.0	22.2	22.4	22.6	22.8	23.0	23.1
Power Tolerance-PMAX (W)	0~+5						

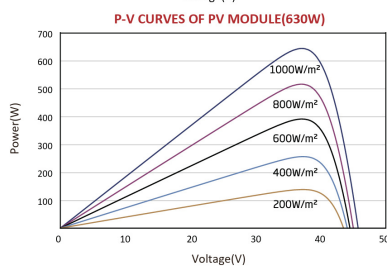
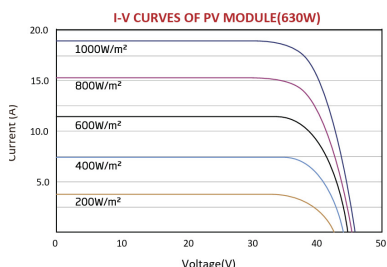
STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5; *Measuring tolerance: ±3%

BNPI

Peak Power PMAX (Wp)*	650	655	660	665	670	675	680
Maximum Power Voltage (Vmp/V)	39.9	40.1	40.3	40.5	40.7	40.9	41.1
Maximum Power Current-Imp (A)	16.29	16.33	16.38	16.42	16.46	16.50	16.55
Open-Circuit Voltage (Voc/V)	48.0	48.2	48.4	48.6	48.8	49.0	49.2
Short-Circuit Current (Isc/A)	17.45	17.51	17.57	17.63	17.69	17.75	17.81

BNPI: Irradiance 1000W/m², module temperature 25°C

I-V CURVES



TEMPERATURE CHARACTERISTICS

NMOT (Nominal Module Operating Temperature)	42°C (±2°C)
Temperature Coefficient of PMAX	0.29%/°C
Temperature Coefficient of VOC	-0.25%/°C
Temperature Coefficient of ISC	+0.046%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

NMOT

Maximum Power PMAX (Wp)*	449	453	457	461	465	469	473
Maximum Power Voltage (Vmp/V)	37.2	37.4	37.6	37.8	38.0	38.2	38.4
Maximum Power Current-Imp (A)	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 800W/m², module temperature 20°C, AM=1.5, wind speed 1m/s

MECHANICAL CHARACTERISTICS

Solar Cells	N-Type TOPCon Monocrystalline Silicon
Cell Orientation	132 pcs
Module Dimensions	2382 x 1134 x 30 mm
Weight	34.0 kg
Front Glass	2.0mm, High Transmission, AR coated Heat Strengthened Glass
Encapsulant Material	POE/EVA
Back Glass	2.0mm, Heat Strengthened Glass (White Grid Glass)
Frame	30mm Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0 mm ² Cable length 350 mm or customized length

*Please refer to regional datasheet for specied connector.