

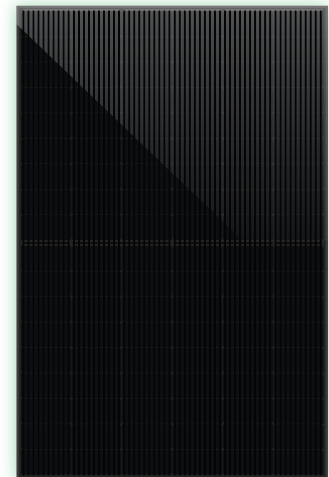


Model: AS-S108/M10N

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POWER OUTPUT

415 - 440W TOPCon Monofacial 182mm Cell Half cell



Max Module Efficiency:
22.5%

Weight:
21 Kgs

Dimensions:
1724*1134*30 mm

Monocrystalline
182 cells

Half cut technology

New circuit design, lower internal current, lower Rs loss Ga doped wafer, attenuation < 1% (1st year) / ≤ 0.40% (Linear)

Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature

Lower LCOE

2% more power generation, lower LCOE

Excellent Anti-PID Performance

2 times of industry standard Anti-PID test by TUV SUD

IP68 junction box

High waterproof level



30 year British warranty

30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



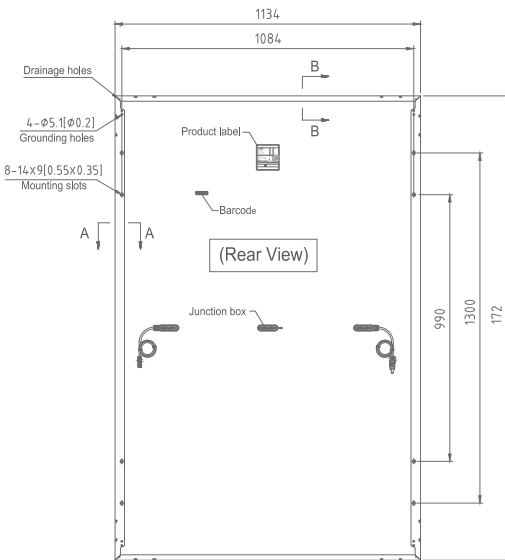
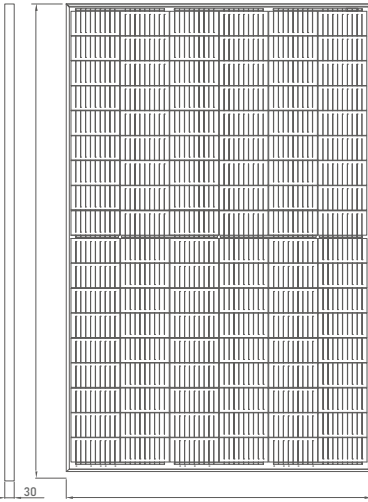
12 YEAR
PRODUCT
WARRANTY



* Specifications are subject to change without further notification



ENGINEERING DRAWING



TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.29%/°C
Temperature Coefficient Voc	-0.25%/°C
Temperature Coefficient Isc	+0.046%/°C
NMOT	42±2°C

Model: AS-S108/M10N

415-440W

ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax/W)*	415	420	425	430	435	440
Operating Voltage (Vmp/V)	31.9	32.1	32.3	32.5	32.7	32.9
Operating Current (Imp/A)	13.01	13.09	13.16	13.24	13.31	13.38
Open-Circuit Voltage (Voc/V)	38.5	38.7	38.9	39.1	39.3	39.5
Short-Circuit Current (Isc/A)	13.72	13.81	13.91	14.01	14.10	14.19
Module Efficiency ηm (%)	21.2	21.5	21.7	22.0	22.3	22.5
Power Tolerance (W)	0~+5					

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

PERFORMANCE AT NMOT

Maximum Power (Pmax/W)	317	321	325	329	333	337
Operating Voltage (Vmp/V)	30.0	30.2	30.4	30.6	30.8	31.0
Operating Current (Imp/A)	10.57	10.63	10.70	10.76	10.82	10.88
Open-Circuit Voltage (Voc/V)	36.4	36.6	36.8	37.0	37.2	37.4
Short-Circuit Current (Isc/A)	11.10	11.18	11.25	11.33	11.41	11.48

NMOT: Irradiance 800W/m², ambient temperature 20°C, AM=1.5, wind speed 1m/s

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	182*182 mm
Cell Arrangement	108 (6*18)
Weight	21 kg
Module Dimensions	1724*1134*30 mm
Cable Length	350 mm or customized length
Cable Cross Section Size	TÜV: 4 mm ²
Front Glass	3.2 mm AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration	36 pcs/ Carton, 936 pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	25A
Static Loading	Snow Loading: 5400Pa / Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 compatible