



Model: AS-S108-M10H

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POWER OUTPUT

390W-410W Mono Black Half Cut

Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

Microcrack resistant double glass structure enhances reliability, triple EL tested for high quality control

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximising system output

Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance

Positive tolerance 0/+5w guaranteed

- Module Efficiency: 21%
- No. of Cells: 108 (6 x 18)
- Weight: 22.1kg
- Dimensions: 1724mm x 1134mm x 30mm
- Monocrystalline 182x182mm



30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



12 YEAR
PRODUCT
WARRANTY

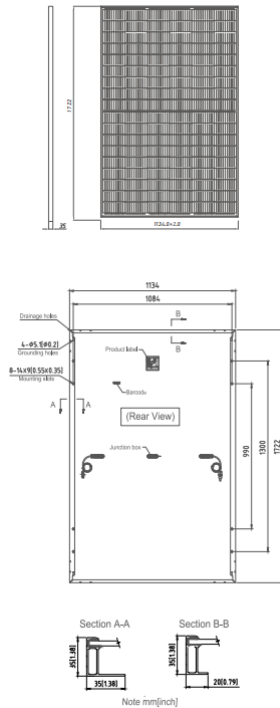
* Specifications are subject to change without further notification

Tier One Factory Produced

Model: AS-S108-M10H

390W-410W

ENGINEERING DRAWING



ELECTRICAL CHARACTERISTICS

Module	AS108-M10H				
Maximum Power at STC (Pmax)	410W	405W	400W	395W	390W
Open-Circuit Voltage (Voc)	37.45V	37.24V	37.04V	36.84V	36.62V
Short-Circuit Current (Isc)	13.88A	13.81A	13.73A	13.66A	13.59A
Optimum Operating Voltage (Vmp)	31.59V	31.38V	31.18V	30.98V	30.76V
Optimum Operating Current (Imp)	12.98A	12.91A	12.83A	12.76A	12.69A
Module Efficiency	21%	20.7%	20.5%	20.2%	19.9%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

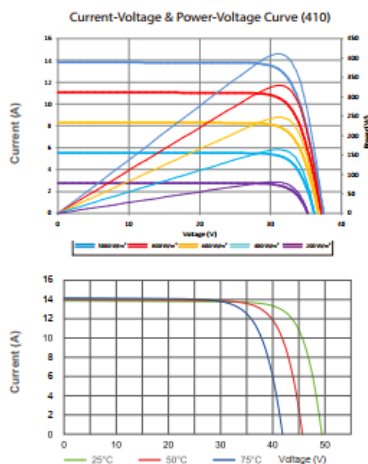
*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NOCT

Module	AS108-M10H				
Maximum Power	309.6W	306W	302.3W	298.6W	294.9W
Open Circuit Voltage (Voc)	35.2V	35.0V	34.8V	34.6V	34.4V
Short Circuit Current (Isc)	11.16A	11.10A	11.04A	10.98A	10.93A
Maximum Power Voltage (Vmp)	29.2V	29.0V	28.8V	28.6V	28.4V
Maximum Circuit Current (Imp)	10.62A	10.56A	10.50A	10.44A	10.38A
NOCT	42°C±2°C				

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

I-V CURVES



MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline
No. of Cells	108 (6x18)
Dimensions	1724mm x 1134mm x 30mm
Weight	22.1kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 3 diodes
Cable	4mm ² (IEC) x 350mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	36pcs / box, 936pcs / 40'HQ Container

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	γ (Pm)	-0.36%/K
Temperature Coefficient of Voc	β (Voc)	-0.304%/K
Temperature Coefficient of Isc	α (Isc)	0.050%/K