

Max Tile_L Series

Solar roofing system



- Solar Roof Tile as the New Type of Building Materials Provide Green Energy for You
- One-Stop Solution Home Usings, Roof Tile and Solar Energy Intergrate Design



Product Light

Reduce roof load | Easy to install



Excellent Performance

Triple waterproof | Noise reduction | Ventilation and heat dissipation



Safe and Reliable

Fireproof ClassA | Same life as the building



Fashion & Beauty

Embedde d high-ef ciency photovoltaic integrated design | Three colors can be customized



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PHYSICAL PARAMETERS

Product model	MS65DG-9e 1/2	MS56DG-9e 1/2	MS58DG-9e 1/2
Color	Black	Red(MSA10-202)	Grey(MSA10-102)
Dimensions	1340*420mm		
Weight	6kg		
Glass (material/thickness)	Tempered glass/3.2mm+Backplane		
Cell	182*91mm(3*6)		
Junction box	≥IP67		
Cable type	500mm / 4mm ²		
Plug connector	MC4		
Life span	>30years		

ELECTRICAL PARAMETERS(STC)

Solar cells			
Power output(P_{max})	65W	56W	58W
Module efficiency(%)	17.8%	15.6%	16.1%
Voltage at Pmax(V_{mpp})	10.3V	10.1V	10.1V
Current at Pmax(I_{mpp})	6.6A	5.54A	5.74A
Open-circuit current(V_{oc})	12.3V	12.1V	12.1V
Short-circuit current(I_{sc})	6.92A	5.88A	6.03A

STC: 1000W/m² irradiance, 25 degree cell temperature, AM1.5g.

PERFORMANCE GRADE

Load grade	2400Pa
Fireproofing grade	ClassA
Anti-hail grade	Φ25mm/23m/s
Operating temperature	-40℃~+85℃
Operating humidity	0-80%

OPERATING CONDITIONS

Max. system voltage	1500V _{DC}
Max. series fuse rating	20A
Operating temperature range	-40° C~+85° C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25 mm / 23m/s

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	° C	45 ± 2
Temperature coefficient of P_{max}	γ	%/° C	-0.36
Temperature coefficient of V_{oc}	β_{Voc}	%/° C	-0.30
Temperature coefficient of I_{sc}	α_{Isc}	%/° C	0.05

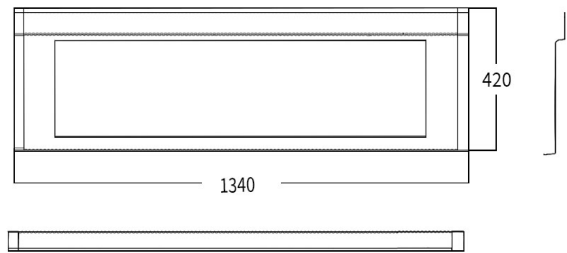
Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.

The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

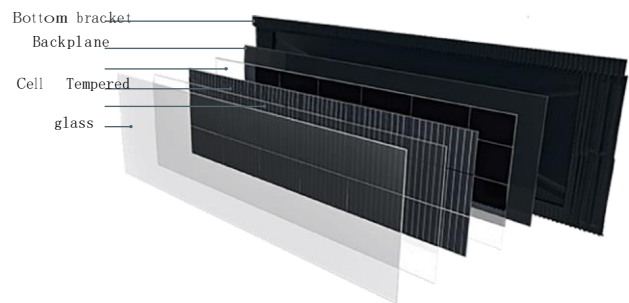
IEC 61215, IEC 61730, 3C, ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018.

DIMENSIONS

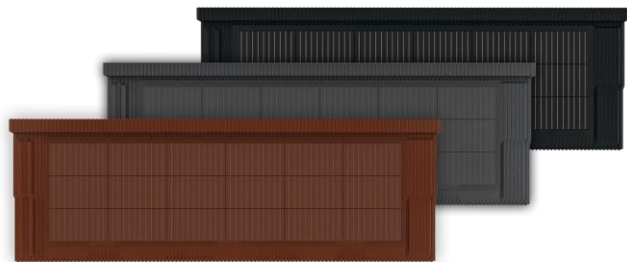
Unit : mm



CONSTRUCTION



PRODUCT PICTURE



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