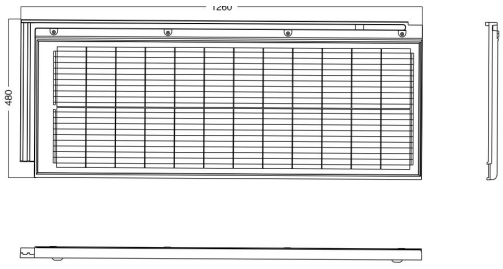
T-Max Tile_O Series

PRODUCT PICTURE



DIMENSIONS

Unit： mm



PHYSICAL PARAMETERS

Color	Black		Red(JSA10-202)		Grey(JSA10-102)	
Product model	JS38DG-5e 1/2	JS90DG-13e 1/2	JS31DG-5e 1/2	JS75DG-13e 1/2	JS32DG-5e 1/2	JS78DG-13e 1/2
Dimensions	630*480mm	1260*480mm	630*480mm	1260*480mm	630*480mm	1260*480mm
Weight	7.5kg	15.5kg	7.5kg	15.5kg	7.5kg	15.5kg
Cell (material / dimensions)	182*91mm（2*5）	182*91mm（2*12）	182*91mm（2*5）	182*91mm（2*12）	182*91mm（2*5）	182*91mm（2*12）
Junction box	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67
Cable type	450mm / 4mm²	900mm / 4mm²	450mm / 4mm²	900mm / 4mm²	450mm / 4mm²	900mm / 4mm²
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm					
Plug connector	MC4					
Life span	>30years					

ELECTRICAL PARAMETERS(STC)

Solar cells	Monocrystalline					
Power output (P_{max})	38W	90W	31W	75W	32W	78W
Module efficiency(%)	17.3%	18.9%	14.1%	15.8%	14.5%	16.4%
Voltage at Pmax(V_{mpp})	5.71V	13.7V	5.58V	13.4V	5.63V	13.5V
Current at Pmax (I_{mpp})	6.65A	6.57A	5.56A	5.59A	5.68A	5.78A
Open-circuit current (V_{oc})	6.79V	16.3V	6.71V	16.1V	6.76V	16.2V
Short-circuit current (I_{sc})	6.97A	6.89A	5.89A	5.93A	5.96A	6.07A

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	16A
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)	25mm / 23m/s

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	℃	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

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T-max Tile_L Series

PHYSICAL PARAMETERS

Product model	JS80D-13d 1/2	JS62D-13d 1/2	JS66DG-13e 1/2
Color	Black	Red(JSA10-202)	Grey(JSA10-102)
Dimensions	1340*420mm		
Weight	6.5kg		
Glass (material/thickness)	Tempered glass/3.2mm+Backplane		
Cell	166*83mm（2*13）		
Junction box	≥IP67		
Cable type	500mm / 4mm²		
Plug connector	MC4		
Life span	>30years		

ELECTRICAL PARAMETERS(STC)

Solar cells	Monocrystalline		
Power output（P_{max}）	80W	62W	66W
Module efficiency（%）	19.4%	15.0%	16.0%
Voltage at Pmax（V_{mpp}）	14.7V	14.1V	14.3V
Current at Pmax（I_{mpp}）	5.44A	4.40A	4.62A
Open-circuit current（V_{oc}）	17.7V	17.2V	17.3V
Short-circuit curren（t I_{sc}）	5.71A	4.64A	4.85A

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)	25mm / 23m/s

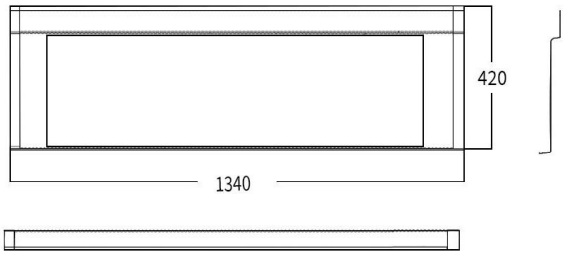
THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	℃	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

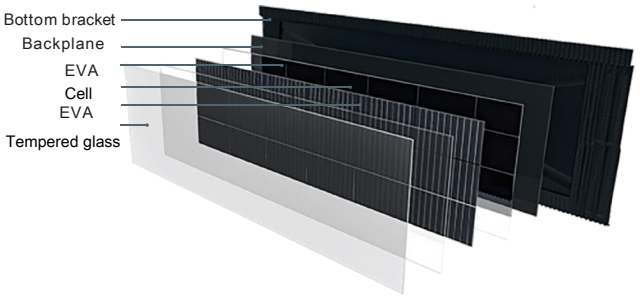
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DIMENSIONS

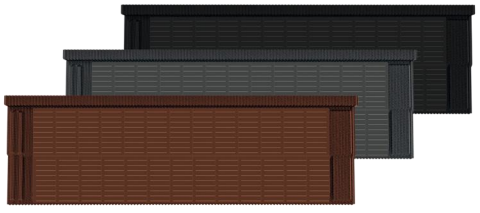
Unit： mm



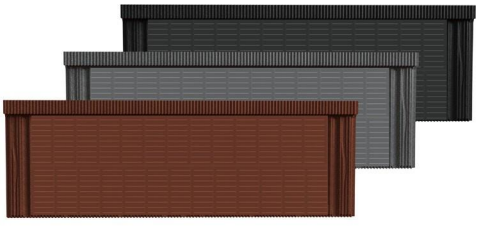
CONSTRUCTION



PRODUCT PICTURE



Type：A



Type：B

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T-Max Tile_ S Series

PHYSICAL PARAMETERS

Product model	JS30DG-6b1/2
Color	Black
Dimensions	586*400mm
Weight	5kg
Glass (material/thickness)	Tempered glass/3.2mm+Tempered glass/3.2mm
Junction box	≥IP67
Cable type	300mm / 4mm² /Customizable
Plug connector	MC4
Life span	>30years

ELECTRICAL PARAMETERS(STC)

Solar cells	Monocrystalline
Power output（P_{max}）	30W
Module efficiency（%）	12.9%
Voltage at Pmax（V_{mpp}）	6.36V
Current at Pmax（I_{mpp}）	4.72A
Open-circuit current（V_{oc}）	7.95V
Short-circuit curren（t I_{sc}）	4.95A

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	16A
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)	25mm / 23m/s

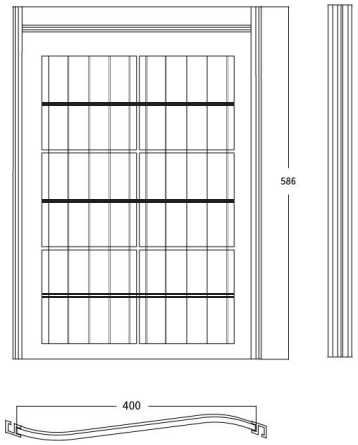
THERMAL CHARACTERISTICS

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

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DIMENSIONS

Unit： mm



PRODUCT PICTURE



CONSTRUCTION



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