

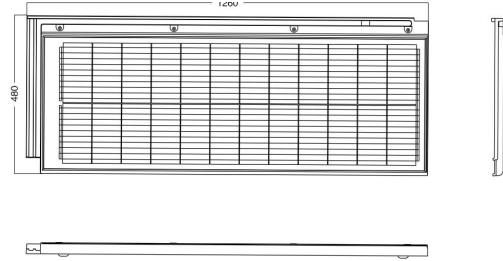
# T-Max Tile\_O Series

## 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 / 4mm <sup>2</sup>	900mm / 4mm <sup>2</sup>	450mm / 4mm <sup>2</sup>	900mm / 4mm <sup>2</sup>	450mm / 4mm <sup>2</sup>	900mm / 4mm <sup>2</sup>
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm					
Plug connector	MC4					
Life span	>30years					

## ELECTRICAL PARAMETERS(STC)

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

STC: 1000W/m<sup>2</sup> irradiance, 25 degree cell temperature, AM1.5g.

## PERFORMANCE GRADE

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

## OPERATING CONDITIONS

Max. system voltage	1500V <sub>DC</sub>
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 <sub>max</sub>	γ	%/°C	-0.36
Temperature coefficient of V <sub>oc</sub>	β <sub>Voc</sub>	%/°C	-0.30
Temperature coefficient of I <sub>sc</sub>	α <sub>Isc</sub>	%/°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.

Singer Cailin (Tianjin) Building Tech. Co., Ltd.

E-mail: [info@cailinroofing.com](mailto:info@cailinroofing.com)

Hotline: +86-022 2357 5077

50 Meters South Of No. 1 Road, North Zone, Jinghai Economic Development Zone, Tianjin.

Web address: [www.cailinroofing.com](http://www.cailinroofing.com)