

## Macsun Solar Solar Tiles

MS-ST01



MS-ST08T



FOR SOLAR: **TUV** CERTIFIED

FOR BUILDING: **CPD** CERTIFIED

## 8W SOLAR TILE



**Item NO.:**

MS-ST08T

**Output Power Capacity:**

8W/pc

74.4W/m<sup>2</sup>

**Dimension:**

440mm x 325mm x 45mm

9.3pcs/m<sup>2</sup>

3600pcs/20' GP

**Operating Temperature:**

-40 TO +85°C

**Weight:**

3.2kg

Electrical Characteristics:

Open-Circuit Voltage (Voc): 1.23V

Short-Circuit Current (Isc): 8.31A

Max-power Voltage (Vm): 1.04V

Max-power Current (Im): 7.78A

### Reference Solar Roof System with 8w Solar Tile

Output Power Capacity	Solar Tiles Quantity	Minimum Roof Size
2.0 KW	250 PCS	27.4 M <sup>2</sup>
3.0 KW	384 PCS	41.8 M <sup>2</sup>
4.0 KW	512 PCS	55.6 M <sup>2</sup>
5.1 KW	640 PCS	69.4 M <sup>2</sup>
6.1 KW	768 PCS	83.2 M <sup>2</sup>

MS-ST02



MS-ST03



MS-ST50T



#### Electrical Characteristics

All specified Parameters at STC 25°C.

Ambient, 1000W/m<sup>2</sup> irradiance and AM1.5.

Max-Power Pm (W)	50
Power Tolerance (W)	±3%
Open-Circuit Voltage Voc (V)	7.48
Short-Circuit Current Isc (A)	8.57
Max-Power Voltage Vm (v)	6.23
Max-Power Current Im (A)	8.03
Cell Efficiency (%)	18.50%

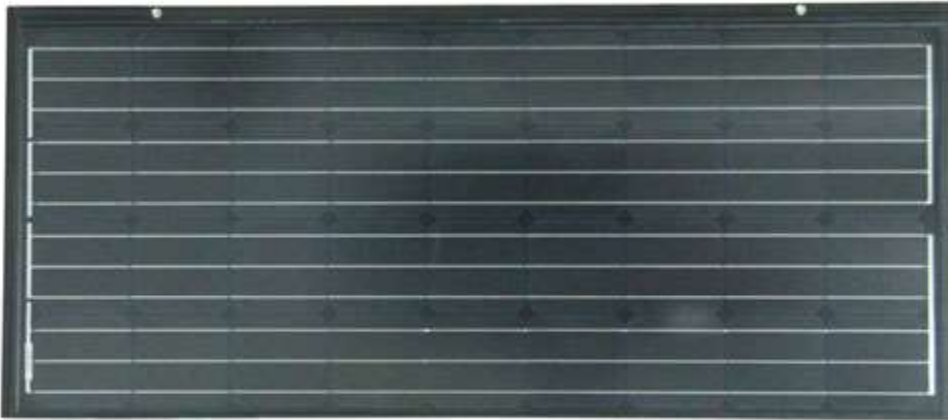
#### Operating Temperature

High heat insulation and antflaming function -40- +80°C

#### Mechanical Characteristics

Cable type, diameter and length	4mm <sup>2</sup> , 700mm
Number, type and arrangement of cells	12
Cell size (mm)	156x156
Dimension (mm)	1055x420x26
Weight (kgs)	6.00
Material frame	Aluminium
Glass, type and thickness	High Transmission, Low Irin, Tempered Glass 3.2mm
Compression strengty	>2400Pa
Water seepage performance	<0.5%

MS-ST150T



#### Electrical Characteristics

All specified Parameters at STC 25°C.

Ambient, 1000W/m<sup>2</sup> irradiance and AM1.5.

Max-Power Pm (W)	150
Power Tolerance (W)	±3%
Open-Circuit Voltage Voc (V)	22.46
Short-Circuit Current Isc (A)	8.57
Max-Power Voltage Vm (v)	18.64
Max-Power Current Im (A)	8.03
Cell Efficiency (%)	18.50%

#### Operating Temperature

High heat insulation and antinflaming function -40- +80°C

#### Mechanical Characteristics

Cable type, diameter and length	4mm <sup>2</sup> , 900mm
Number, type and arrangement of cells	36
Cell size (mm)	156x156
Dimension (mm)	1532x699x26
Weight (kgs)	13.00
Material frame	Aluminium
Glass, type and thickness	High Transmission, Low Irin, Tempered Glass 3.2mm
Compression strengty	>2400Pa
Water seepage performance	<0.5%

More Solar Tiles:

