



Solar Tiles Data Sheet Guidelines

Innovative solar tiles that combine clean energy with seamless architectural integration, offering a stylish solution for modern building projects

In Partnership with



A New Generation Of Green Building Materials

Photovoltaic Tiles

Management System

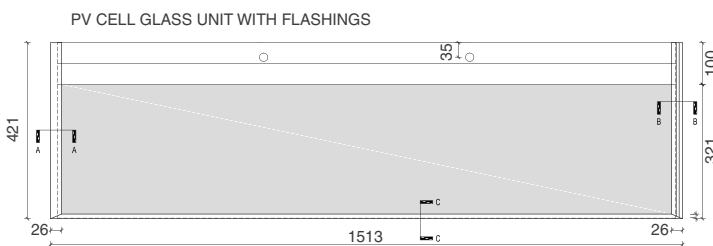
- ✓ ISO 9001:2020
Quality management system
- ✓ ISO 14001:2019
Standards for environmental management system
- ✓ IEC62941: 2021
Photovoltaic module manufacturing quality system

More Reliable

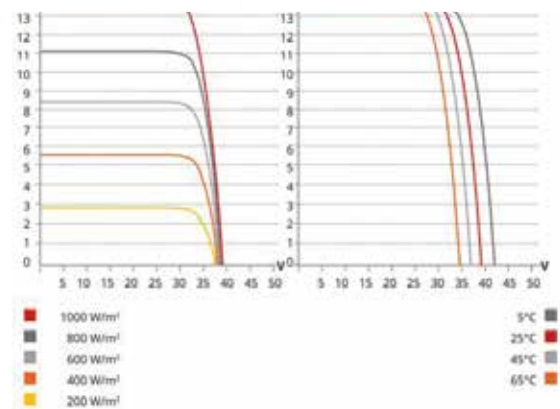
- 95W Module power up to 95W and efficiency up to 22.5%
- 000 Heavy snow load up to 5400 Pa and wind load up to 2400 Pa
- 15 Years Industry leading product warranty on materials and workmanship
- 25 Years Linear power performance warranty

Product Certificates





I-V Curves



Product Technical Parameters

Class	Product Model	TW239501	TW238003
	Color	Black	Red
Specification Parameter	Max power per piece-Pm[W]	95	80
	Max power per square meter-Pm[W]	190	160
	Open circuit voltage-Voc[V]	21.75	20.75
	Short-circuit current-Isc[A]	5.56	5.02
	Max power point voltage-Vpm[V]	18.00	17.50
	Max power point current-Ipm[A]	5.28	4.57
	Product installed size (22 degrees)	L 1500mm x H 345mm x W 21mm (76mm headlap)	
	Product installed size (18 degrees)	L 1500mm x H 321mm x W 21mm (95mm headlap)	
	Component thickness[mm]	7.5(±1)	
	Component weight[kg]	12(±0.5)	
Maximum Rated Parameter	Component weight per square meter[kg]	24(±0.5)	
	Foreplate	Super white tempered glass	
	Backboard	Super white tempered glass	
	Frame	Aluminium alloy	
	Junction box	IP67, MC4 Connector	
	Max system voltage[V]	DC 1000(IEC)	
	Max rated fuse current[A]	20	
	Max positive static load[Pa]	5400	
Temperature Parameter	Working temperature[°C]	-40~+85	
	Resistance to hail	Maximum diameter 25mm, Impact speed 23m/s	
	Fire resistance rating	A	
	Application level	A	
	NOCT	45°C	
Temperature Parameter	Peak power (Pmpp)	-0.34% / °C	
	Open-circuit voltage (Voc)	-0.27% / °C	
	Short-circuit current(Isc)	0.04% / °C	

① **STC:** Irradiance 1000W/m², AM1.5, Environment temperature 25°C, According to EN60904-3 test

② **NMOT:** Irradiance 800W/m²; Wind speed 1m/s; Environment temperature 20°C

③ **Power test uncertainty:** ±7%, Voc[V], Isc[A], Vm[V], Im[A] Test tolerance ±7%

④ Due to continuous technological and product innovation, research and product upgrades, the content of this product specification is subject to change without prior notice. These contents may vary slightly and their contents are not guaranteed; These data are not specific to a single component, they are not part of the sale, and only used to compare different models of components; The final interpretation of the technical specification belongs to Topwatt.



Contact Us

SolarTyle provides discreet solar solutions with tiles that blend seamlessly into your roof, offering solar energy benefits without compromising aesthetics.

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