

There may be some differences in performance and application of PV tiles of different colors, here are some common colors of the T MAX series

Black solar roof tiles

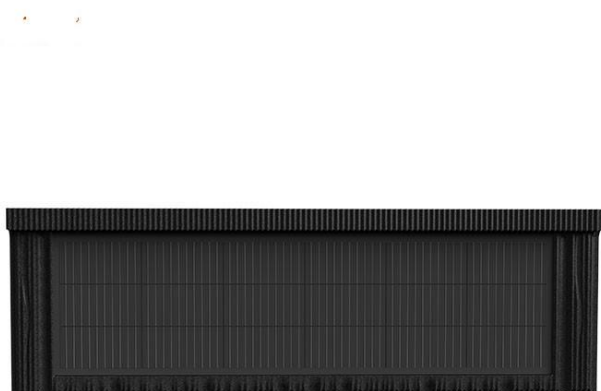
Black is the most common color of solar roof tiles, which is made of monocrystalline silicon for high efficiency and stability. They are capable of producing high electrical energy output under different lighting conditions and exhibit good performance in high-temperature environments.

BLACK					
	T MAX O	T MAX L	T MAX A	T MAX R	T MAX S
Power output	90W	80W	90W	80W	30W
Module efficiency	18.90%	17.80%	18.90%	17.8%	15%
Voltage at Pmax	13.7V	10.3V	13.7V	10.3V	6.36V
Peak power current	6.57A	5.44A	6.57A	5.44A	4.72A
Open-circuit current	16.3V	6.6V	16.3V	6.6V	7.95V
Short-circuit current	6.89A	12.3A	6.89A	12.3A	4.95A
Dimensions	1340*420mm	1340*420mm	1200*430mm	1340*420mm	586*400mm
Weight	15.5kg	6.8kg	9.5kg	6.8kg	5kg
Glass (material/thickness)	Tempered glass/3.2mm+Backplane				
Solar cells	Monocrystalline				

The main advantage of black solar roof tiles is aesthetics, especially for certain architectural or design projects, black PV panels are better integrated into the building's exterior, providing a more consistent and seamless look.



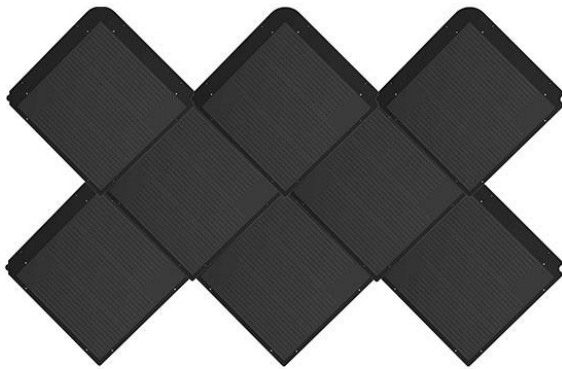
T MAX O PHYSICAL PARAMETERS	
Product model	JS87DG-12e 1/
Dimensions	1340*420mm
Weight	15.5kg
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm
Cell	182*91mm (2*12)
Junction box	≥IP67
Cable type	900mm / 4mm ²
Plug connector	MC4
Life span	>30years
ELECTRICAL PARAMETERS (STC)	
Solar cells	Monocrystalline
Power output (Pmax)	90W
Module efficiency (%)	18.90%
Voltage at Pmax (V mpp)	13.7V
Current at Pmax (I mpp)	6.57A
Open-circuit current (Voc)	16.3V
Short-circuit current (Isc)	6.89A



T MAX L PHYSICAL PARAMETERS	
Color	Black
Dimensions	1340*420mm
Weight	6.8kg
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm
Cell	182*91mm (3*6)
Junction box	≥IP67
Cable type	500mm / 4mm ²
Plug connector	MC4
Life span	>30years
ELECTRICAL PARAMETERS (STC)	
Solar cells	Monocrystalline
Power output (Pmax)	80W
Module efficiency (%)	19.40%
Voltage at Pmax (V mpp)	14.7V
Current at Pmax (I mpp)	5.44A
Open-circuit current (Voc)	17.7V
Short-circuit current (Isc)	5.71A



T MAX A PHYSICAL PARAMETERS	
Product model	JS90DG-12e 1/2
Dimensions	1200*430mm
Weight	9.5kg
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm
Cell	182*91mm (2*12)
Junction box	≥IP67
Cable type	500mm / 4mm ²
Plug connector	MC4
Life span	>30years
ELECTRICAL PARAMETERS (STC)	
Solar cells	Monocrystalline
Power output (P _{max})	90W
Module efficiency (%)	17.40%
Voltage at P _{max} (V _{mpp})	13.7V
Current at P _{max} (I _{mpp})	6.57A
Open-circuit current (V _{oc})	16.3V
Short-circuit current (I _{sc})	6.89A



T MAX R PHYSICAL PARAMETERS	
Product model	JS55DG-8e 1/2
Dimensions	700*700mm
Weight	10.5kg
Glass (material/thickness)	Tempered glass/3.2mm+3.2mm
Cell	182*91mm
Junction box	≥IP67
Cable type	500mm / 4mm ²
Plug connector	MC4
Life span	>30years
ELECTRICAL PARAMETERS (STC)	
Solar cells	Monocrystalline
Power output (P _{max})	55W
Module efficiency (%)	15.40%
Voltage at P _{max} (V _{mpp})	8.90V
Current at P _{max} (I _{mpp})	6.18A
Open-circuit current (V _{oc})	10.59V
Short-circuit current (I _{sc})	6.54A



T MAX S PHYSICAL PARAMETERS	
Product model	J530DG-6e
Color	Black
Dimensions	586*400mm
Weight	5kg
Glass (material ythickness)	Tempered glass/3.2mm+3.2mm
Junction box	≥IP67
Cable type	300mm j 4mm ² /Customizable
Plug connector	MC4
Life span	>30years
ELECTRICAL PARAMETERS (STC)	
Solar cells	Monocrystalline
Power output (P _{max})	30W
Module efficiency (%)	12.90%
Voltage at P _{max} (V _{mpp})	6.36V
Current at P _{max} (Lmpp)	4.72A
Open-circuit current (V _{oc})	7.95V
Short-circuit current (Lsc)	4.95A

Although solar roof tiles of different colors may have certain advantages and have an impact in practical applications. When choosing photovoltaic tiles, it is more important to consider their overall quality, efficiency, reliability and cost to meet specific project needs.

Zhejiang San-gobuild Jiasheng New Energy Co., Ltd

E-mail: info@sgbsolar.com

Hotline: +86-4000 788 771

Address: No. 512, Chongxian Road, Gaole Industrial Park,
Gaohong Town, Lin'an District, Hangzhou, Zhejiang Province,
China

Web address: www.sgbsolar.com