

Wevolt X-Tile

Solar energy with
a sleek appearance



Technical datasheet Wevolt X-Tile

XT028H-085BK-E

Power peak

171 - 180 Wp/m²

Wevolt X-Tiles are seamlessly combined with the Actua 10 EB ceramic roof tiles from Wienerberger in the same color. This results in a very calm roof appearance. Suitable for newbuild, renovation and prefab roofs for individual homes and housing development projects. For an aesthetic, durable roof with a sleek, uniform appearance.

- Glass-glass panels with high-tech cell technology
- Can be combined with Actua ceramic roof tiles
- Clean, uniform appearance
- Quick and easy installation
- 30-year guarantee

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Wienerberger

Wevolt X-Tile

Model	XT028H-085BK-E
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Specifications

Power peak	171 - 180 Wp/m²
Dimensions	1308 x 430 mm
Weight	13.8 kg
Application	Roof integrated with roof tiles
Installation	On wooden battens with mounting blocks

Electrical properties (STC*)

Module efficiency (η)	[%]	18.9
Nominal power (P _{MAX}) (± 5%)	[Wp]	85
Nominal voltage (V _{MPP})	[V]	16.3
Nominal current (I _{MPP})	[A]	5.3
Open-circuit voltage (V _{OC}) (± 1%)	[V]	19.5
Short-circuit current (I _{SC}) (± 1%)	[A]	5.8

*STC: Irradiation at 1000 W/m²; Ambient temp. (25 ± 2)°C; AM 1.5 Spectrum in accordance with EN 60904-3.

Thermal properties

Nom. module operating temp. (NMOT)	[°C]	30
Nom. module power (P _{MAX})	[Wp]	TBD

Components and dimensions

Cel type	[-]	M6 half cell; P-type monocrystalline Si
Module	[-]	BIPV glass/glass
Dimensions	[mm]	1310 x 370 covering size 1308 x 430 full panel 360 - 380 batten spacing
Thickness	[mm]	7.5 ± 0.2 laminate thickness
Weight	[kg]	13.8
Installation	[-]	Mounting blocks on wooden battens
Front glass	[-]	3.2 [mm] tempered glass (EN1863)
Rear glass	[-]	3.2 [mm] tempered glass
Diodes	[-]	1
Connectors		Stäubli MC4

Operating conditions

Max. static pressure front	[Pa]	2400 (1.5 × 1600)
Max. static pressure rear	[Pa]	2400 (1.5 × 1600)
Max. hailstone impact	[mm]	25 (at 24 m/s)
P _{MAX} temp. coeff. (γ)	[%/°C]	-0.328
V _{OC} temp. coeff. (β)	[%/°C]	-0.256
I _{SC} temp. coeff. (α)	[%/°C]	+0.0487
Operating temperature range	[°C]	-40 tot +85
Max. DC system voltage (V _{sys})	[V]	1000
Electrical Shock Protection (Safety Class)		Class II
Max. current	[A]	15

Conforms to: IEC 61215-1:2016; IEC 61215-2:2016; IEC 61730-1:2018 and IEC 61730-2:2018. Wienerberger aims to provide you with the correct specifications. This datasheet conforms to the requirements in EN 50380. Specifications can change without notification.

