

VITOVOLT 300

Photovoltaic modules and installation systems



climate of innovation

The right model for every house

The right photovoltaic module for any requirement: The Vitovolt 300 product range offers monocrystalline modules up to an output rating of $270 W_p$. The range also includes 48 or 60 cell polycrystalline modules that have an output of up to $260 W_p$.

High yielding photovoltaic modules; quality without compromise

Vitovolt 300 photovoltaic modules are distinguished by their high output, uncompromising quality and extensive product and performance guarantees. In addition, all modules offer only 'plus' output tolerances as standard. You benefit from an increase in output of up to $5 W_p$ as a result. Our photovoltaic modules are suitable for installation on the roofs of detached houses and apartment buildings, as well as on commercial and industrial premises.

Attractive design

Vitovolt 300 modules are distinguished by their design and dimensions. Modules in the MSBC series feature a black anodised frame, monocrystalline cells in a particularly dark hue and a black Tedlar film. Extraordinary design has been combined with the highest performance values! The effect is even more architecturally stunning when these modules are incorporated into a flush mounted roof integration system.

Take advantage of these benefits

- Positive output tolerance for additional output of up to $5 W_p$ per module
- Anti-reflection glass for high yields
- Security of investment resulting from product guarantee extended to 10 years and a 25-year output guarantee to at least 80 % of rated output
- High module efficiency of up to 16.8 %
- Non-twisting anodised aluminium frame
- Strict cell selection process for balanced and high value appearance
- High operational reliability as a result of three bypass diode jumpers
- Tested Viessmann quality:
Every photovoltaic module is subjected to an optical and electrical quality test
- Standardised process for the ability to recycle all Vitovolt 300 modules in a sustainable and efficient manner

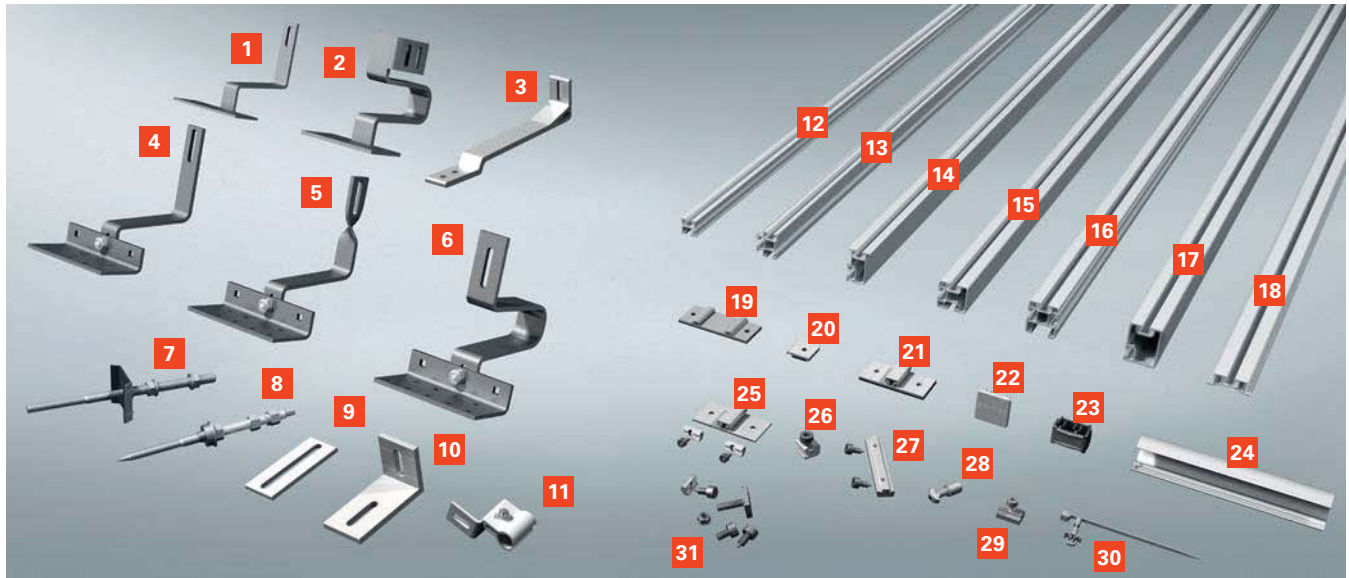


Monocrystalline photovoltaic module
Vitovolt 300 with black anodised
frame and dark Tedlar film



Polycrystalline photovoltaic module
Vitovolt 300 with 48 or 60 cells
in a compact design

Viessmann Limited
Hortonwood 30, Telford
Shropshire, TF1 7YP
Tel: 01952 675000
Fax: 01952 675040
www.viessmann.co.uk



Matching installation systems

Our installation systems form the basis for a perfectly matching solar architecture – on the roofs of private residences or on commercial or industrial premises. All installation versions are characterised by rapid and secure installation with excellent static properties.

Roof fixings

- 1 Roof anchor type 9
- 2 Roof anchor type 13.1
- 3 Roof anchor plain Al
- 4 Roof anchor type 10.1
- 5 Roof anchor type 10.2
- 6 Roof anchor type 10
- 7 Solar retainer for steel sub-structure
- 8 Double ended screws for wooden sub-structure
- 9 Roof anchor extension
- 10 Ldouble ended screw adaptor
- 11 Rafter clamp

Base profile

- 12 Base profile BP 085 S
- 13 Base profile BP 120 S
- 14 Base profile BP 130 S
- 15 Base profile BP 160 S
- 16 Base profile BP 170 S
- 17 Base profile BP 215 S
- 18 Trapezoidal base profile BP 030 T, specifically for trapezoidal installations

Components (selection)

- 19 Trapezoidal retainer BP 030 T
- 20 Anti-offset lock for trapezoidal installation with BP 030 T
- 21 Trapezoidal retainer for base profiles
- 22 Base profile end cap
- 23 Plug-in cable retainer
- 24 Cable trunking
- 25 Cross retainer for cross installation
- 26 Anti-slip lock for PV modules
- 27 Connecting kit for base profiles
- 28 One-turn screw
- 29 Anti-offset lock for base profiles
- 30 Cable retainer
- 31 Screws

Specification Vitovolt 300

Vitovolt 300	Type	M260 MSBC	P200 PSEA	P250 PSEB	P250 PGHA
	Type	M265 MSBC		P255 PSEB	P255 PGHA
	Type	M270 MSBC		P260 PSEB	
Output category	W_p	260 – 270	200	250 – 260	250 – 255
Dimensions					
Length	mm	1639	1335	1654	1650
Width	mm	983	986	989	990
Depth	mm	40	46	40	42
Module efficiency	%	up to 16.8	15.19	up to 15.97	up to 15.6
Type of cell		monocrystalline	polycrystalline	polycrystalline	polycrystalline
Cell size	mm	156	156	156	156
Number of cells		60	48	60	60
Tested wind load	kN/m ²	up to 2.4	up to 2.4	up to 2.4	up to 2.4
Tested snow load	kN/m ²	up to 5.4	up to 6.0	up to 6.0	up to 6.0