Roof mounted Solar Energy
NIBE PV Photovoltaic package

NIBE PV is an integrated solution which is based on a fully modular system with the following basic sizes: 4, 8, 12, 16 och 20 kW. Each size consists of of base packages with 10 or 20 panels and a nominal power of 4 and 8 kW, mounting parts and a suitable inverter with communication module, all of which are ready for installation. The solar package can easily be expanded with additional solar panels for optimum use of roof space.

NIBE PV comprises of monocrystalline silicon cell panels which use PERC half-cell technology, with an output of 400 Wp. The solar panels are elegant, all-black panels. NIBE PV harnesses sunlight all year round and converts it into electricity. NIBE PV can be connected to your NIBE heat pump* for high energy efficiency.

Thanks to smart technology, the product gives you control over your energy consumption and will be a key part of your connected home. The efficient control system automatically adjusts the indoor climate for high comfort, and you do nature a favour at the same time.

** applies to systems which can be connected to NIBE Uplink/myUplink.*

- **Flexible modular system which can be expanded easily.**
- **Elegant, all-black panels which use PERC technology for maximum efficiency.**
- **Connect to a NIBE heat pump for maximum energy efficiency.**

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Specifications NIBE PV

NIBE PV Solar panel		4 kW	8 kW	12 kW	16 kW	20 kW
Numbers of panels		10	20	30	40	50
Area	m²	20	40	60	80	100
Rated output at STC (Pmpp)	Wp	400				
Rated voltage (Umpp)	V	37,1				
Rated current (Impp)	A	10,8				
External dimensions (Width x Height x Depth)	mm	1879 x 1045 x 32				
Weight	kg	22				
Suitable for roof types.		tiled roof, sheet metal roof, bitumen roof, standing seam sheet metal roof				

NIBE PV Solar panel		4 kW		8 kW	12 kW	16 kW	20 kW
Inverter		PVI 10-3	PVI 20-4	PVI 20-6	PVI 20-10	PVI 20-12	PVI 20-15
Max. power out- put [1]	kW	3	4	6	10	12	15
External dimensions (Width x Height x Depth)	mm	347x432x145	354x433x147				
Weight	kg	14	15		16	18	
Voltage		1x230	3x400				
Max number of strings		2				3	
Number of trackers		2					
Enclosure class		IP 65					

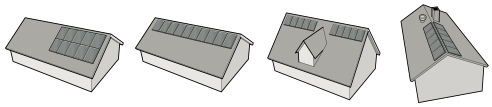
[1] *Has to be fused according to the max. power output or the max. DC power, if that is lower.*

Sustainable energy solutions

Since 1952, NIBE has been manufacturing energy-efficient and sustainable climate solutions for your home. It all started in Markaryd in Sweden and we value our Nordic heritage by harnessing the power of nature. We combine renewable energy with smart technology in order to offer effective solutions so that together we can build a more sustainable future.

Whether it's a chilly winter's day or a hot summer's afternoon, we need a well-balanced indoor climate for a comfortable everyday life, whatever the weather. Our wide range of products supplies your home with cooling, heating, ventilation and hot water, so that you can create a pleasant indoor climate with a low impact on nature.

Examples of possible combinations per ten panels.



Number of solar panels per string and per package

Inverter	Promenaded max DC	min/ string	max/ string	Std/ num- ber	min totalt	max totalt
PVI 10-3	3,9 kW[1]	4	9	–	4	9
PVI 20-4	5,2 kW	6	13	10	6	13
PVI 20-6	8 kW	6	20	20	6	20
PVI 20-10	13 kW	6	20	30	6	32
PVI 20-12	16 kW	6	2x20[2]	40	6	40
PVI 20-15	20 kW	6	2x20[2]	50	6	50

[1] 1x230 V.
[2] Tracker one can manage one string or two equally long strings.
[3] Two equally long strings per input/tracker (can also manage one string per tracker).

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