

Roof mounted Solar Energy NIBE PV Photovoltaic package

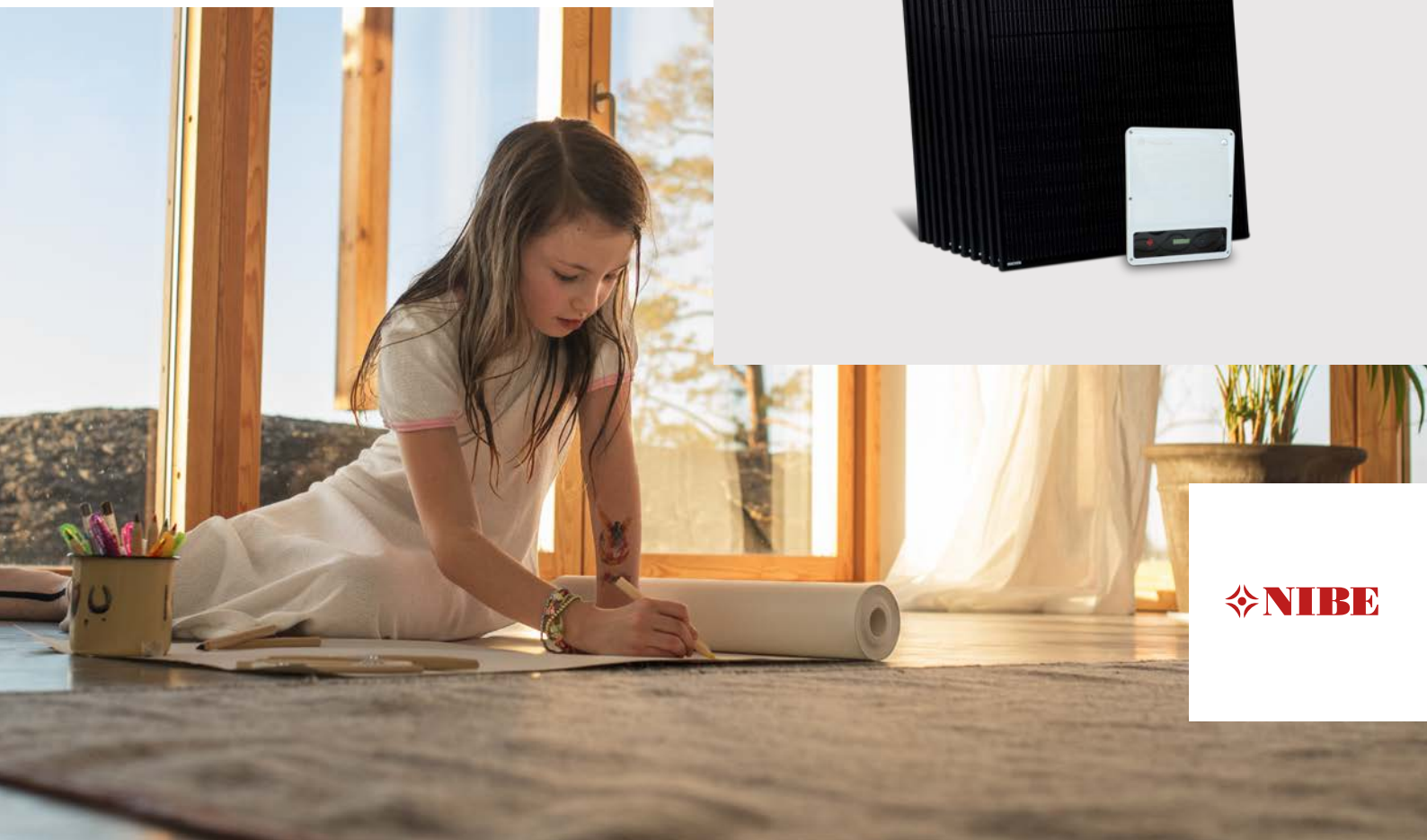
NIBE PV is an integrated solution which is based on a fully modular system with the following basic sizes: 3.6, 7.2, 10.8, 14.4, 18, 21.6 and 25.2 kW. Each size consists of a number of base packages with 10 panels and a nominal power of 3.6 kW, mounting parts and a suitable inverter with communication 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 360 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.



Specifications NIBE PV

<i>Solar panel</i>		3.6 kW	7.2 kW	10.8 kW	14.4 kW	18 kW	21.6 kW	25.2 kW
Numbers of panels		10	20	30	40	50	60	70
Area	m ²	18	36	55	73	91	109	127
Rated output at STC (Pmpp)	Wp	360						
Rated voltage (Umpp)	V	34,3						
Rated current (Impp)	A	10,5						
External dimensions (Width x Height x Depth)	mm	1755x1038x35						
Weight	kg	21						
Suitable for roof types.		tiled roof, sheet metal roof, bitumen roof, standing seam sheet metal roof						

<i>Inverter</i>		PVI 10-3	PVI20-4	PVI20-6	PVI20-10	PVI20-12	PVI20-15	PVI 30-20
Max. power out-put ¹⁾	kW	3	4	6	10	12	15	20
External dimensions (Width x Height x Depth)	mm	347x432x145	354x433x147		354x433x155			415 x 511 x 175
Weight	kg	14	15		16	18		25
Voltage		1x230	3x400					
Max number of strings		2			3		4	
Number of trackers		2						
Enclosure class		IP 65						

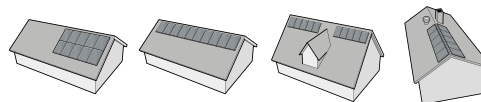
¹⁾ Has to be fused according to the max. power output or the max. DC power, if that is lower.

Comfort through connectivity

We always strive to maximize the outcome of every product carrying the NIBE name while focusing on the system as a whole through connectivity. This way, we can offer you a wide range of smart and highly efficient products that can cool, heat, ventilate and supply your home with hot water. By harvesting power from nature, you can create the perfect indoor climate and enjoy the comforts of your home with low impact on the environment. To us, that's what really matters.

It's in our nature.

Examples of possible combinations per ten panels.



Number of solar panels per string and per package

<i>Inverter max DC (kw)</i>	<i>min/ string</i>	<i>max/ string</i>	<i>Std/ number</i>	<i>min totalt</i>	<i>max totalt</i>
3,9 kW ¹⁾	4	10	-	4	10
5,2 kW	7	14	10	7	14
7,8 kW	7	21	20	7	21
13 kW	7	21	30	7	36
15,6 kW	7	2x21 ²⁾	40	7	43
19,5 kW	7	2x21 ²⁾	50	7	54
26 kW	10	2x20 ³⁾	70	10	72

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).

