

# Home-Balcony Solar Power

## Ready-to-use Solar Power Systems - Plug & Play

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### Product Description

Our new Home-Sets are ready-to-use solar systems for private applications on balcony, terrace, carport or for outdoor installation. They generate grid-compliant alternating current with 230V / 50Hz, which is fed directly into the existing grid of your house. This allows you to significantly reduce the energy purchase from your network operator. In contrast to the well-known method of installing many modules on roof surfaces and connecting them via a separate meter, our Home Sets are connected to the house network directly via the power outlet. This means there is only a small installation effort. The legal basis for this was created in Germany with the pre-standard DIN VDE V 0100-551-1 published in May 2018. In contrast to large PV systems, most power grid operators offer a "simplified registration" with minimal effort up to a feed-in capacity of 600VA (or up to a total nominal solar module capacity of 600Wp, depending on the grid operator). Prerequisites are a non-reversing electricity meter and a Wieland socket.



Our Home Basic Sets consist of one or two standard solar modules from Germany, a high-quality module inverter according to VDE AR-N 4105, which converts the solar power into grid-compliant alternating current, and a connection cable for connection to the final circuit.

On request, we can also supply you with a standard-compliant power feed socket (optionally a junction box) according to DIN VDE V 0628-1 as well as weather-resistant connection cables in your desired length.

For technically interested customers we also provide a communication gateway with which you can monitor your home system at any time and trace the results in a visualised form.

**With a set from our Home series, you produce your own solar power, reduce the consumption from your energy supplier and also save about 0.5 kg CO<sub>2</sub> per kilowatt hour of self-generated solar power.**

In the following table we have compiled the prices of our affordable home sets from 275Wp to 650Wp. Each set consists of one or two high-quality solar modules, a micro inverter and a 3m long connection cable.

## Prices of our Home Basic Configuration

Home-Set	Module	Micro-Inverter	Cable/Plug	Price in EUR gross
Home 280	Polycrystalline Standard 280Wp	Envertec EVT 300 or TSUN TSOL M350	Module Connection Cable 4 mm <sup>2</sup> with MC4 Plugs, IP 68, Cable length: 1m  Power Supply Cable: Rubber Hose Cable 3m, 3 x 1,5 mm <sup>2</sup> , with socket and enclosed plug RST 20i3 or Schuko	<b>299,00</b>
Home 320	Monocrystalline black Standard 320 Wp,			<b>329,00</b>
Home 325	Monocrystalline Standard 325 Wp			<b>319,00</b>
Home 560/2	2x Polycrystalline Standard 280Wp	Envertec EVT560 or TSUN TSOL M800		<b>549,00</b>
Home 600/2	2x Monocrystalline Standard 300 Wp			<b>565,00</b>
Home 650/2* <sup>1</sup>	2x Monocrystalline Standard 325 Wp			<b>579,00</b>
Home 200/2	2x Polycrystalline Glass/Alu 100 Wp	Envertec EVT 300 or TSUN TSOL M350		<b>299,00</b>
Home 320/2	2x Monocrystalline Glass/Alu 160 Wp			<b>399,00</b>
Home 180/2F	2x Monocrystalline Semiflex 90 Wp			<b>549,00</b>
Home 200/2F	2x Monocrystalline Semiflex 100 Wp			<b>589,00</b>

\*1) Attention: Some network operators only allow max. 600Wp solar module output!

Key Data and Prices Solar Modules	Price in EUR gross
Standard module poly/mono: approx. 165 x 100 x 3,5cm, weight approx. 18kg 280Wp - 330Wp, background white or black	149,00 – 179,00 Depending on output
Glass/Alu-Module poly 100Wp: approx. 100 x 68 x 3cm, weight approx. 8kg	67,90
Glass/Alu-Module poly 160Wp: approx. 148 x 68 x 3cm, weight approx. 12kg	119,90
Semiflex-Module slim 90Wp: approx. 140 x 36 x 0,4cm, weight approx. 2kg	199,90
Semiflex-Module 100Wp: approx. 125 x 51 x 0,4cm, weight approx. 2,5kg	224,90

Accessories* <sup>2</sup>	Price in EUR gross
Rubber Hose Cable H07RN-F halogen-free, UV-/ozone resistant, 3 x 1.5 mm <sup>2</sup> , with socket and plug RST 20i3 or Schuko, with installed straight or angled plug in 5m length* As exchange for the standard cable	21,00/Set
Connection cable 230V AC, Meter ware	2,20/m
Standard-compliant plug connection acc. DIN VDE V 0628-1: Type Wieland (in-wall) or Connection-Box (surface-mounted)	22,90/Piece
Enverbridge communication Gateway for the activity recording and visualization of your home set	97,00/ Piece
Cable extension PV-Modul 2x4mm <sup>2</sup> with MC4-Plugs on both Ends	6,70 Basic Price + 2,50/Meter

\*2) assembled cables/connectors are excluded from return

We can also recommend installation companies and provide you with further accessories for your home set.