

# 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). The prerequisites are a non-reversing electricity meter and (depending on the grid operator) a Wieland socket if necessary, otherwise Schuko is also possible.



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 320Wp to 740Wp. Each set consists of one or two high-quality solar modules, a micro inverter and a 3m long connection cable.

On request, we can also supply other accessories for your Home Set, such as PV modules from 50Wp to 400Wp, other module mounts or even storage solutions.

## Prices of our Home Basic Configuration

Home-Set	Module	Micro-Inverter	Cable/Plug	Price in EUR gross
Home 330	Monocrystalline Standard (Germany) 320-340Wp	Envertec EVT 300, Hoymiles HM-300	Module Connection Cable 4 mm <sup>2</sup> with MC4 Plugs, IP 68, Cable length: 1m	<b>359,00</b>
Home 370	Monocrystalline Half-Cell (China) 360-380Wp	or TSUN TSOL M350		<b>379,00</b>
Home 660/2	Monocrystalline Standard (Germany) 320-340Wp	Envertec EVT560, Hoymiles HM-600	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>629,00</b>
Home 740/2	Monocrystalline Half-Cell (China) 360-380Wp	or TSUN TSOL M800		<b>659,00</b>
Home 200/2	2x Monocrystalline Glass/Alu 100 Wp	Envertec EVT 300, Hoymiles HM-300 or TSUN TSOL M350		<b>349,00</b>
Home 320/2	2x Monocrystalline Glass/Alu 160 Wp			<b>439,00</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>

Key Data and Prices Solar Modules	Price in EUR gross
Standard module mono: approx. 167 x 100 x 3,5cm, weight approx. 19kg 320Wp - 340Wp, background white or black	199,00
Module Half-Cell mono: approx. 175 x 105 x 3,5cm, weight approx. 20kg 360Wp – 380Wp, background white or black, more than 400Wp on demand	219,00
Glass/Alu-Module mono 100Wp: approx. 100 x 68 x 3cm, weight approx. 8kg, also available with approx. 113 x 45 x 3cm	85,00
Glass/Alu-Module mono 160Wp: approx. 148 x 68 x 3cm, weight approx. 12kg, also available with approx. 123 x 67 x 3cm	129,00
Glass/Alu-Module poly 180Wp: approx. 148 x 68 x 3,5cm, weight approx. 10kg	149,00
Semiflex-Module slim 90Wp: approx. 140 x 36 x 0,4cm, weight approx. 2kg	189,00
Semiflex-Module 100Wp: approx. 115 x 51 x 0,3cm, weight approx. 1,8kg	189,00
Semiflex-Module 175Wp: approx. 150 x 67 x 0,3cm, weight approx. 3kg	269,00

Accessories <sup>*1</sup>	Price in EUR gross
Mounting Structure Standard module for flat roof, terrace etc. Approx. 25° tilt angle, 2 aluminium profile brackets with module clamps	69,90/Set
Mounting Structure Standard module for balcony parapet Approx. 10 - 25° tilt angle, 2 aluminium profile brackets with module clamps	109,90/Set
Additional price connection cable 230V AC, per meter	2,20/m
Standard-compliant plug connection Type Wieland RST20i3, in-wall insert; Same as surface-mounted box	22,90/Piece 34,90/Piece
Communication Gateway for the activity recording and visualization of your home set via Powerline or Wifi (depending on the inverter)	On demand
Cable extension PV-Modul 2 x 2,5mm <sup>2</sup> with MC4-Plugs on both Ends	6,70 Basic Price + 2,50/Meter

\*1 assembled cables/connectors are excluded from return

On request, we can also supply other accessories for your Home-Set, such as PV modules from 50Wp to 400Wp, other mounting structures or even storage solutions.