

Home-Balcony Solar Power

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

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 CO₂ per kilowatt hour of self-generated solar power.

In the following table we have compiled the prices of our affordable home sets from 280Wp to 600Wp. 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 270-290Wp ^{*1}	Envertec EVT 300 or TSUN TSOL M350	Module	299,00
Home 325	Monocrystalline Standard 320-330Wp ^{*1}			319,00
Home 560/2	2x Polycrystalline Standard 270-280Wp	Envertec EVT560 or TSUN TSOL M800	Connection Cable 4 mm ² with MC4 Plugs, IP 68, Cable length: 1m	549,00
Home 650/2 ^{*1}	2x Monocrystalline Standard 320-330Wp			579,00
Home 200/2	2x Polycrystalline Glass/Alu 100 Wp	Envertec EVT 300 or TSUN TSOL M350	Power Supply Cable: Rubber Hose Cable 3m, 3 x 1,5 mm ² , with socket and enclosed plug RST 20i3 or Schuko	299,00
Home 320/2	2x Monocrystalline Glass/Alu 160 Wp			399,00
Home 180/2F	2x Monocrystalline Semiflex 90 Wp			549,00
Home 200/2F	2x Monocrystalline Semiflex 100 Wp			589,00

*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 ^{*2}	Price in EUR gross
Elevation Standard module for flat roof, terrace etc. Approx. 25° tilt angle, 2 aluminium profile brackets with module clamps	59,90/Set
Additional price connection cable 230V AC, per meter	2,20/m
Standard-compliant plug connection acc. DIN VDE V 0628-1: Type Wieland (in-wall insert or surface-mounted box)	22,90/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 ² 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.