



Wagner & Co

SOLAR TECHNOLOGY
TECHNIQUE SOLAIRE
TECNOLOGÍA SOLAR
TECNOLOGIA SOLARE
SOLARTECHNOLOGIE

Let the Sun Electrify Your Life

Highly efficient solar power systems





Power. Heat. Future

As first-hour solar pioneers we have successfully collaborated with the sun for decades. We offer solar power and heating systems and pellet-fueled heating technology through branches in Europe and North America. The employees own 100 % of the company.

Our solar passion

In the same way that we operate as an enterprise, carefully chosen components optimize interaction in our system solutions. Many competitive awards testify to their performance, countless operating projects prove it daily.

Progressing together

We supply solar power systems for private users, public facilities, commercial enterprises and investors. We deliver installations of outstanding quality at the best value-for-money ratio, aiming to contribute substantially to an energy sea change.

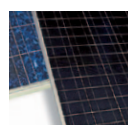
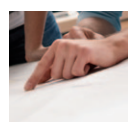
WAGNER & CO SOLAR TECHNOLOGY

1979 Established in Marburg
400 Employees
100 % Employee-owned
Partner for solar power, solar heating, pellet-fueled
heating technology*
Distribution by specialised installers

* Pellet technology only available in Germany

Contents

SOLAR POWER	The changing energy market Photovoltaic advantages Our strengths System applications	4
SYSTEM SOLUTIONS	How the sun gets into the power socket Functionality Five steps to your solar power plant	6
SOLAR PANELS	Performance criteria Leading manufacturers TRIC racking systems	8
GRID CONNECTION	Intelligent inverters Communication technology	10
OVERVIEW	Start now Joint planning	11



Shape the Future as an Energy Entrepreneur

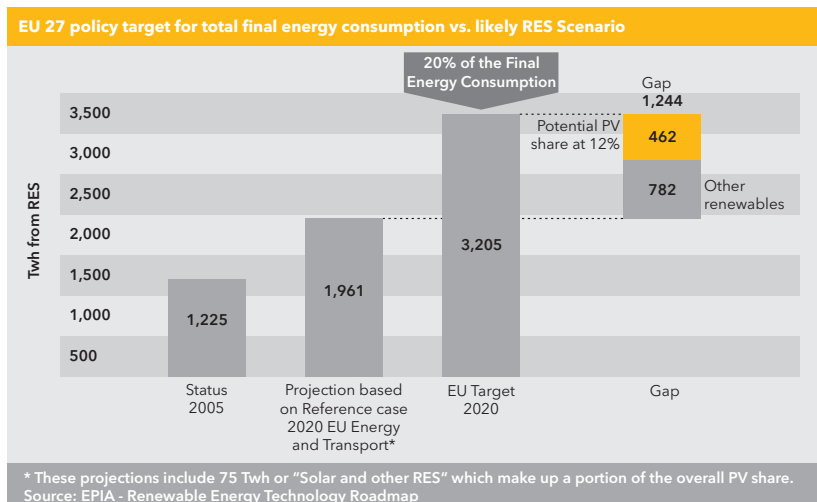
Rising energy prices, climate change, ecological persuasion or prestige - there are many drivers to switch to renewable energy. Solar power is one of the most sustainable options, Wagner & Co one of the most experienced providers.

The changing energy market

Global electricity consumption has risen constantly since 1960. Fossil fuels are becoming scarcer and more expensive, as recent reactor disasters clearly illustrated, power from nuclear fission has never been able to shed its safety deficits - and never will. As a result renewables are rapidly gaining traction now.

Photovoltaic advantages

Solar power has proven successful for decades. Intensive research and development have delivered ever more efficient and ever cheaper technology. The grid intake required by law in many countries, growing integration in the energy supply and the magnificent power of the sun have made solar power an outstanding contributor to sustainably filling the widening energy gap.





Our 6,500 square metres of solar panels, delivering 750 kWp, produce about two thirds of the power we consume.

Our strengths

We are an experienced partner for cost-efficient photovoltaic installations. As system supplier we do not compromise on quality, performance and durability. We advise and support solar installers with our own planning and service tools and offer targeted courses through our Wagner Academy.

System applications

We combine top brand components with our own products into perfectly harmonizing systems. We deliver grid-connected installations for single- and multi-family homes and farm uses, public facilities and large commercial projects. We offer a wide range of special architectural solutions and off-grid stand-alones.

The many advantages of our solar power systems are explained on the following pages.

SYSTEM ADVANTAGES

- CO₂-neutral power production
- Unaffected by power price development
- Safe investment, solid profit
- Favorable funding
- Assured grid intake in many countries
- Active contribution to energy turnaround
- Limitless solar energy

WAGNER & CO STRENGTHS

- Optimally aligned systems
- Maximum efficiency, highest profitability
- High quality of all components
- Customer-friendly warranty services
- Leading technologies
- Our own TRIC racking systems
- Distribution by specialized installers

Think Ahead - Take the First Step

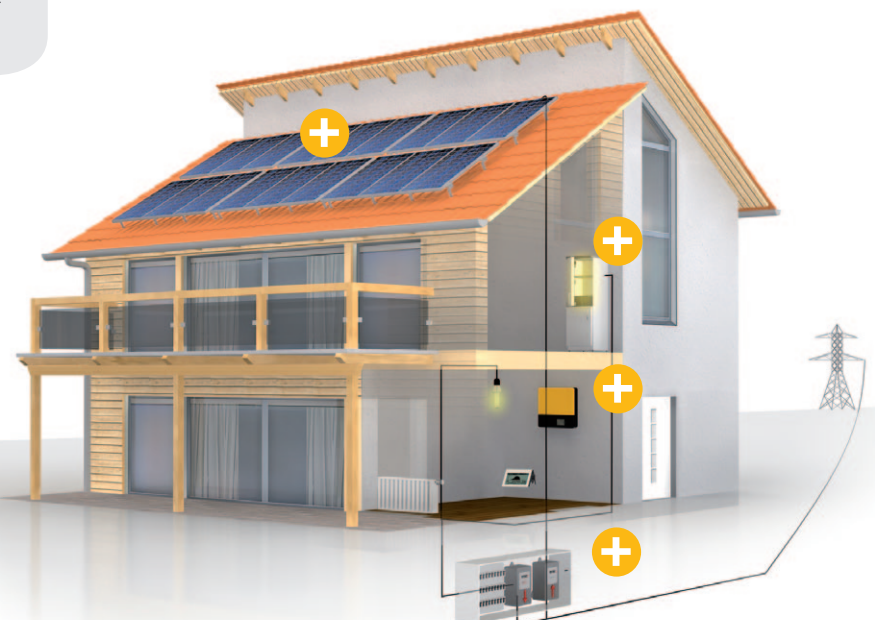
Investments in solar power installations have to produce ecological and financial yields. Precise analysis and planning, meticulous choice of top-quality components and an experienced solar installer are key to your solar success.

How the sun gets into the power socket

Maximum yields are achieved by aligning the installation south and giving the panels a 30° tilt. But our state-of-the-art solar power systems also achieve outstanding results under much less favorable conditions.

FUNCTIONALITY

Solar panels convert solar radiation into electric energy. An inverter transforms it into grid-compatible alternating current which can be used by the owner of the installation or be fed into the public electricity grid. In countries where the law provides for this, the owner will be paid by the power company for the amount fed in.





FIVE STEPS TO YOUR SOLAR POWER PLANT

STEP 1:

CHOOSE YOUR PARTNER AND PLAN

Choose a Wagner & Co partner in your area. We support them in location analysis and development of customized solutions. We use our professional tools to calculate the performance data of the installation and to draw up the detailed construction plans.

STEP 2:

FUNDING, PROMOTION, TAXATION

Inform yourself about favorable financing conditions and access the attractive regional and state financial supports. Talk to your tax consultant about possible write-off options.

STEP 3:

INSTALLATION AND START-UP

Insist on quality components and be aware that your solar success depends on every one of them. Your tradesperson will be happy to advise on the merits of components and manufacturers.

STEP 4:

DON'T FORGET INSURANCE

Certified quality, highest efficiency and longevity are the hallmarks of our installations. But you should nevertheless insure yours as a protection against, for example, a lightning strike or vandalism.

STEP 5:

SECURING YIELDS

From here on everything works by itself. The sun delivers the energy, your installation works for you, and the payment from your grid operator comes to you automatically.

Congratulations on your own solar power station!

Our Highly Efficient and Long-Lasting Solar Panels

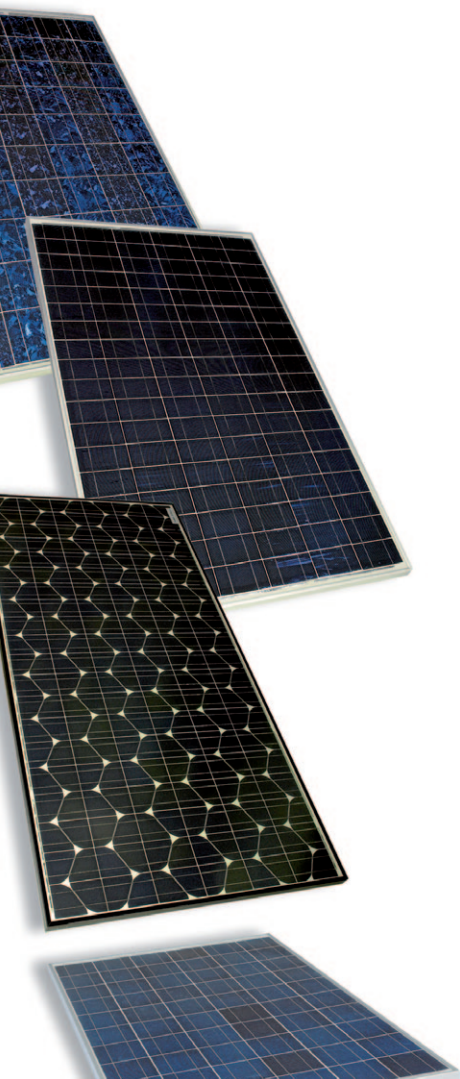
Solar panels are one of the key elements to the success of your installation. That is why we use only the very best components from leading manufacturers and make no compromises on quality, favorable prices and long-term peak performance. The same goes for our fitting systems.

Versatile, strong performers

To offer the optimal solution for any application we cooperate with top PV panel producers. Our partners produce with state-of-the-art processes and meet the most stringent quality, safety and environmental requirements. They ensure the application of innovative and energy-saving technologies and offer an outstanding value-for-money ratio.

Profit from these edges

- Highest panel efficiency (up to 20%)
- Low performance fluctuations
- Transparent warranty terms (up to 10 years on product, up to 30 years on performance)
- Test seals and quality certificates (TÜV / PV Cycle)
- Outstanding value-for-money ratio
- Short energy amortization period
- Environment-friendly manufacture



SANYO

SCHOTT
solar

 **REC**

ET Solar **

 **HYUNDAI**
HEAVY INDUSTRIES CO., LTD.

 **evergreensolar**

** Distribution only
in the UK



Robust racking systems


Solar power installations have to withstand severe strains. Wind load, snow load and thermic influences attack the material. So racking systems have to be extremely robust and durable to ensure secure hold under the toughest challenges. They must also be versatile to apply and easy to install.

Quality and security

We process materials of the highest quality to the highest standards of workmanship. All components are optimally stable and TÜV certified. They are subjected to extensive material and safety tests.

Our own development and production

For more than 30 years we have adapted our racking systems precisely to the modules and roof types. We produce and supply roof brackets, racking rails, panel clamps and a broad range of accessories. Our racking systems are suitable for on-roof mounting, flat and pitched mounting and free-standing siting.

	TRIC RACKING SYSTEMS	STRENGTHS
	<ul style="list-style-type: none"> • Our own development • Versatile applications • Our own production • Customized designs 	<ul style="list-style-type: none"> • Fast, simple, safe installation from above • For all roof forms and covers • Complete system with pre-assembled components • Durable through high-quality materials

Secure Grid Connection - Foundation for Your Solar Success

As interface with the public power grid, inverters have an especially important role. To achieve highest yields they have to be optimally attuned to the installation.

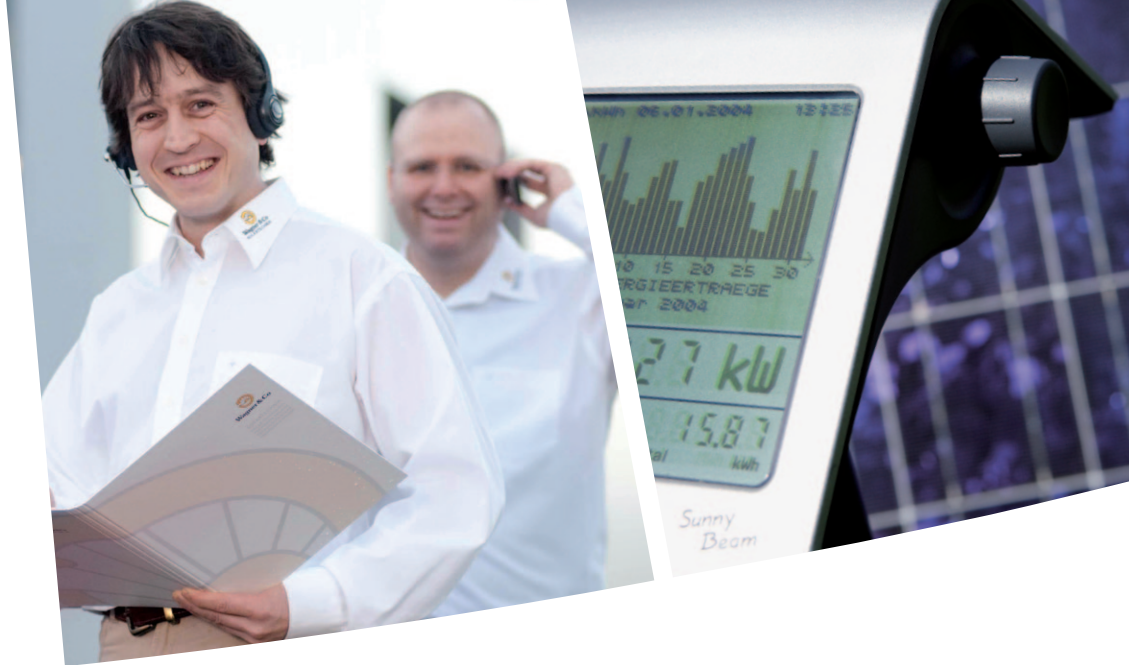
Intelligent inverters

We use only equipment from top of the range European manufacturers. Harmonized precisely with various installation sizes and types, they assure maximum yields, trouble-free grid integration and longevity. We warranty every product for five years.

Communication technology

Whether as a status indicator for internal control or as an attractive, individually designed large display, our communication solutions are especially user friendly and meet highest technical, functional and aesthetic demands. Optionally we offer possibilities for computer connection or global access to installation and performance data by mobile phone.





Are You Ready for Solar Power?

Start now

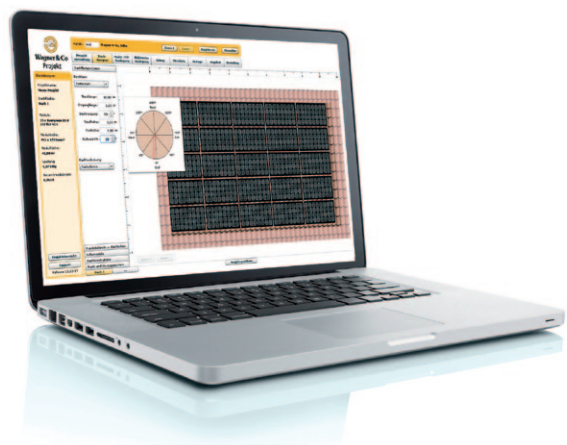
Talk to your solar installer or contact us. We will gladly recommend a company suited to your needs.

Joint planning

Work with our selected specialized installers to build your solar power project fast and reliably. Thanks to their many years of experience, our regular workshops and our professional planning tools you will get a solution optimally customized to your requirements.

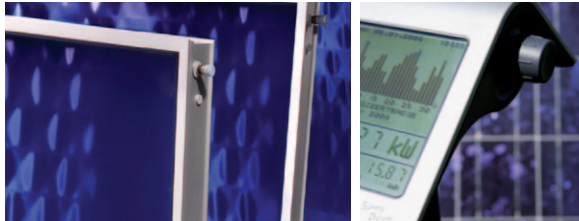
ADDITIONAL SERVICES

We offer customers a number of smart additional services. For example, all installations planned by us receive the Wagner & Co safety certificate for the design of the racking system on request, based on DIN 1055 / EUROCODE 1. We also offer a network of qualified installers and the possibility to return old components.



Power. Heat. Future

We have been solar pioneers from the technology's beginning and have cooperated successfully with the sun for decades. As system suppliers we provide integrated sustainable solutions in solar power, solar heating and pellet-fueled heating technology.



OUR PRODUCTS

Solar power systems

- for private residential buildings
- for public buildings
- for commercial enterprises
- for agricultural applications
- for stand-alone projects
- for investors

Solar heating systems and pellet-fueled heating technology*

- for private residential buildings
- for public buildings
- for commercial enterprises
- for agricultural applications

* Pellet technology only available in Germany



Germany

Wagner & Co

Solartechnik GmbH
Cölbe (Marburg)



France

Wagner & Co

France SARL
Simandre (Lyon)



Spain

Wagner Solar S.L.

Leganés (Madrid)



Italy

Wagner & Co

Solar Italia S.r.l.
Pizzighettone (Cremona)



Great Britain

Wagner Solar UK Ltd

Chichester WS (Southampton)



USA

Wagner Solar Inc.

Cambridge MA (Boston)

www.wagner-solar.com

Contact International

Wagner & Co

Solartechnik GmbH

Zimmermannstraße 12
D-35091 Cölbe/Marburg

Phone: +49 (0) 64 21 80 07-0

Fax: +49 (0) 64 21 80 07-596

info_int@wagner-solar.com

www.wagner-solar.com

Contact UK

Wagner Solar UK Ltd

Unit 2, Keynor Farm, Chalk Lane
Sidlesham, Chichester

West Sussex, PO20 7NQ UK

Phone: +44 (0) 1243 649 035

info@wagner-solaruk.com

www.wagner-solar.com