



AZUR INDEPENDA

OWN ENERGY. NEW THINKING.



IT'S UP TO ME WHAT I USE AND WHEN

A LIFE WITH NO WORRIES ABOUT THE FUTURE

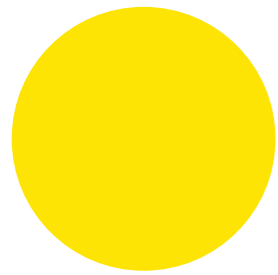
Make yourself independent and control the energy supply within your own four walls.

With AZUR INDEPENDA you can liberate yourself from electricity suppliers and rising electricity prices.

And it's really easy!

The AZUR INDEPENDA independent electricity system produces and stores solar electricity, distributes it intelligently and so helps you to save money.





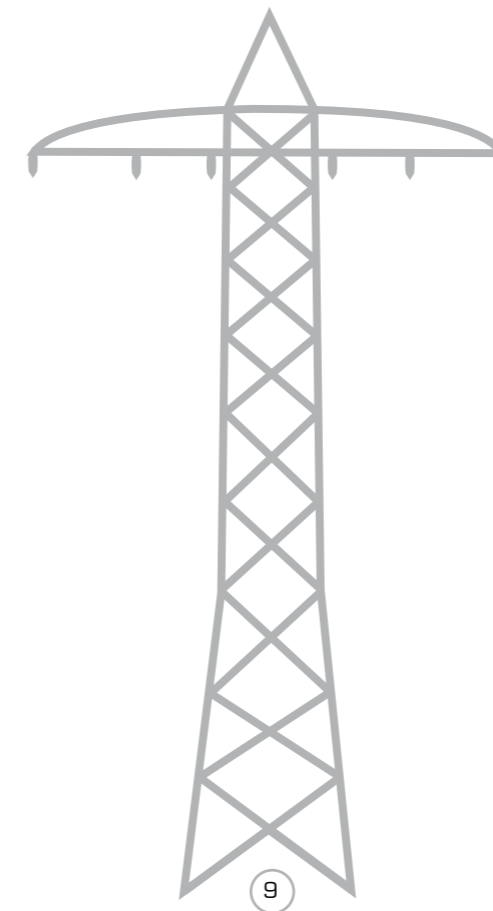
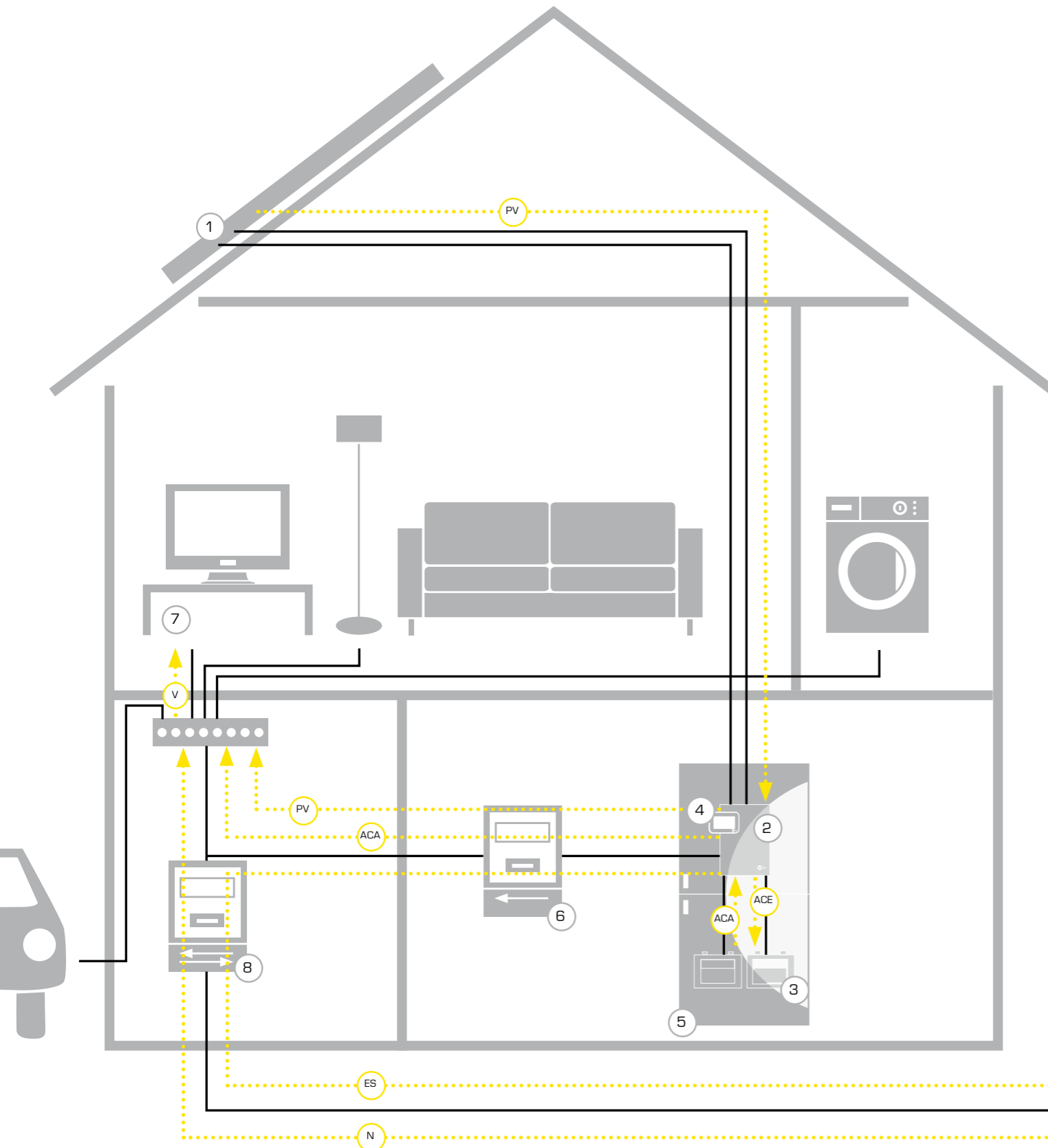
AN ALL-ROUND GOOD FEELING

AN INTELLIGENT SYSTEM CONTROLS EVERYTHING FOR YOU

You can choose: either rising electricity prices or your own electricity from your roof:
 Your AZUR INDEPENDA replaces conventional electricity with power from the sun.
 The intelligent control and storage functions of the AZUR INDEPENDA mean you can save money in the long term.
 In coming years it is certain that conventional electricity suppliers will continue to increase their prices; on the other hand your independent electricity system will deliver continuously over the years to come.

Therefore you no longer need to worry when you are using your electricity, no matter whether its night or day, rain or shine. Your personal energy requirement is registered by the AZUR ENERGY MANAGER which learns and adapts itself to your usage. The AZUR INDEPENDA system enables you to produce up to 80 percent of your electricity yourself.

AZUR INDEPENDA controls everything for you and makes you independent – an all-round good feeling.



ENERGY FLOW

- PV Energy of solar cells
- V Consumer
- ES Grid connected energy
- ACE Charging energy of solar battery
- ACA Discharging energy of solar battery
- N Energy from grid

AZUR INDEPENDA

- 1 Solar panels with AZUR 2P
- 2 AZUR ENERGY MANAGER
- 3 AZUR SOLAR BATTERY
- 4 AZUR MONITORING
- 5 AZUR BOX
- 6 Solar power electric meter
- 7 Consumer
- 8 Supply meter feed meter
- 9 Grid



YOUR ENERGY CONSUMPTION

AS INDIVIDUAL AS YOU ARE

No matter how you get your electricity, the following maxim still applies: if you use your energy resources responsibly, you will save money and benefit the environment. Therefore ingenious energy management is an essential feature. Your AZUR SPECIALIST PARTNER will assist you in creating your personal energy profile. After all, you decide yourself when and where your priorities lie.

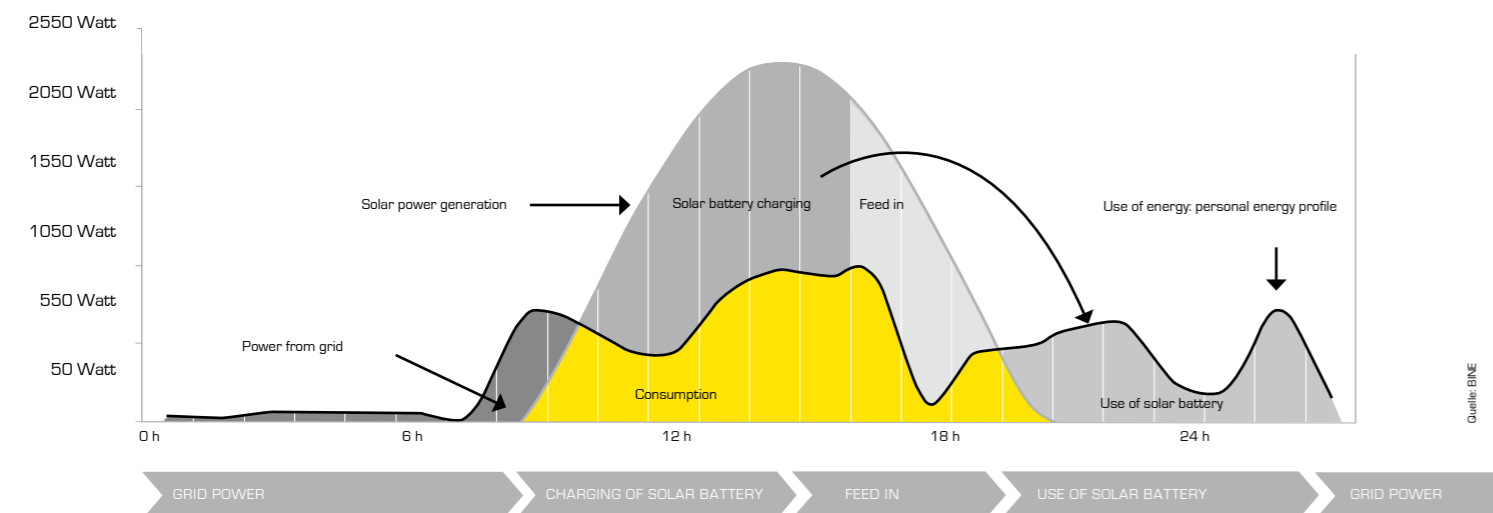
Using AZUR INDEPENDA and the effective control of the AZUR ENERGY MANAGER in your house, you can achieve your optimum energy balance. During the day the sun generates solar electricity. This electricity can be used directly, for example if you switch on your washing machine.

The surplus solar electricity is used for charging the storage system. Once this has been charged, the additional electricity that is produced is fed into the national grid. In the evening, of course, the PV system no longer generates any solar electricity. The electricity you need, for example to run your television or stereo system, is drawn from the storage system. If the storage system is empty, electricity is drawn from the grid.

The AZUR ENERGY MANAGER controls the energy flow day and night – in line with your consumption habits.

Why not remain as individual as you are?

SIMULATED COURSE OF THE DAY (4 PEOPLE HOUSEHOLD)



SUNNY PROSPECTS

USING YOUR OWN ELECTRICITY PAYS OFF MANY TIMES OVER

Create a life for yourself without worries about the future. Change over to a clean and safe energy supply which you yourself have control over.

You don't have to do much for this. The AZUR ENERGY MANAGER in your house controls everything for you. It even does the thinking for you and adjusts itself to your consumption habits. In future it will be part of the family. If only everything in this life were so simple ...

AZUR INDEPENDA makes life more easy and more independent. Make the switch to a clean energy future. It's good to know that a worry-free future is now available with your own electricity and solar energy.

Anyone who produces their own electricity consumes their own environmentally friendly energy and saves CO₂.

Anyone who consumes their own electricity makes themselves independent from electricity suppliers.

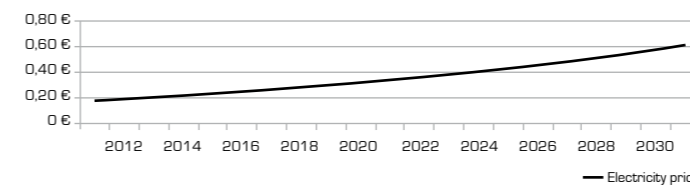
Anyone who consumes their own electricity reduces the load on power grids and saves themselves money.

So the prospects for you are looking good!

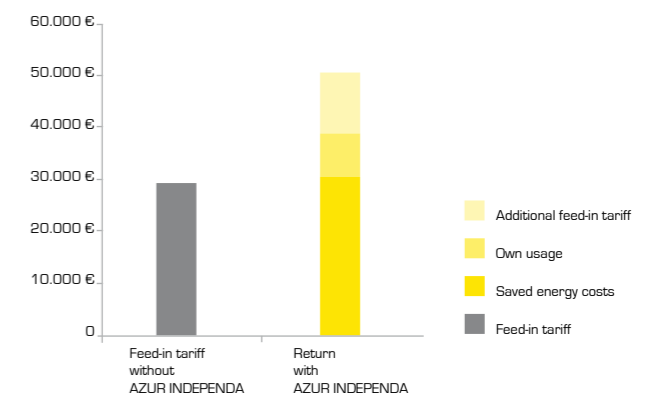
ASSUMED INCREASE OF ELECTRICITY PRICE OF ANNUALLY 6 %

(2 % for inflation and 4 % for increase)

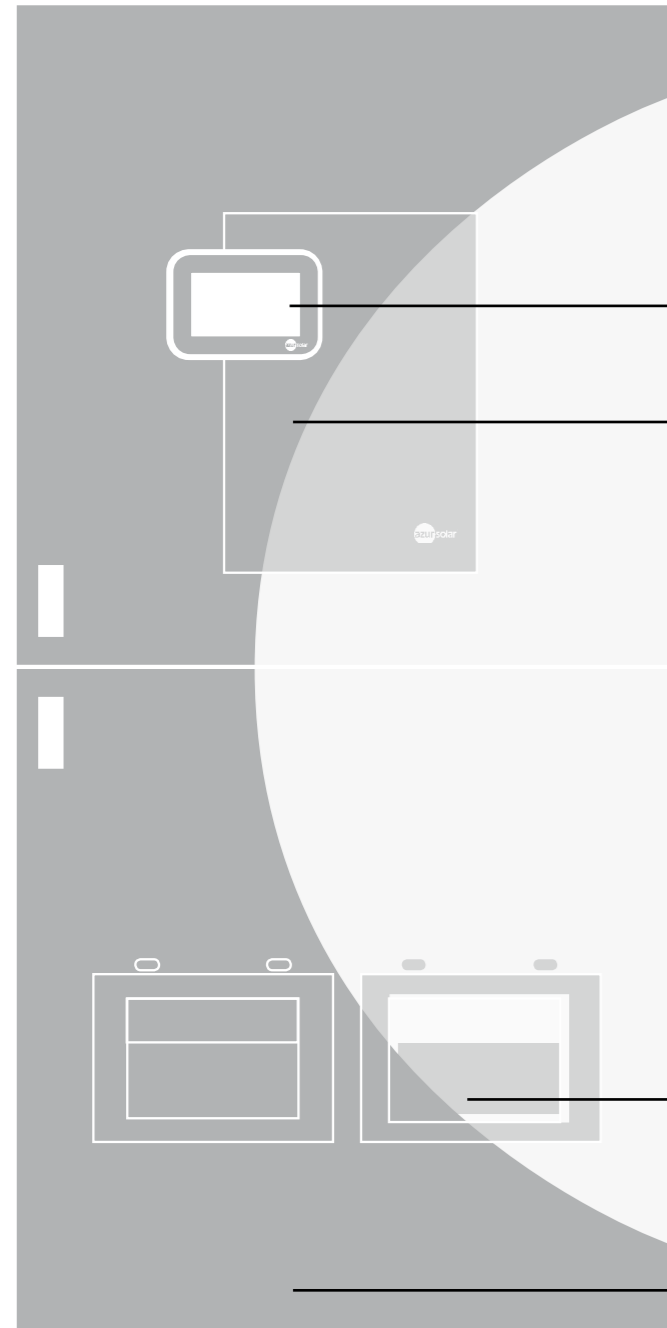
The electricity price will be increased up to 60 ct/kWh even with a moderate inflation rate and a realistic price increase.



YOUR ADVANTAGE THROUGH AZUR INDEPENDA



AZUR INDEPENDA COMPONENTS



AZUR MONITORING

The AZUR MONITORING System with his colour touch screen is your universal tool regarding all your energy questions. A well arranged display combined with the special designed software from AZUR Solar enables you to have a perfect overview about your feed-in numbers and your own electric power consumption.

The integrated monitoring system informs you at all times about your own energy production.

AZUR ENERGY MANAGER

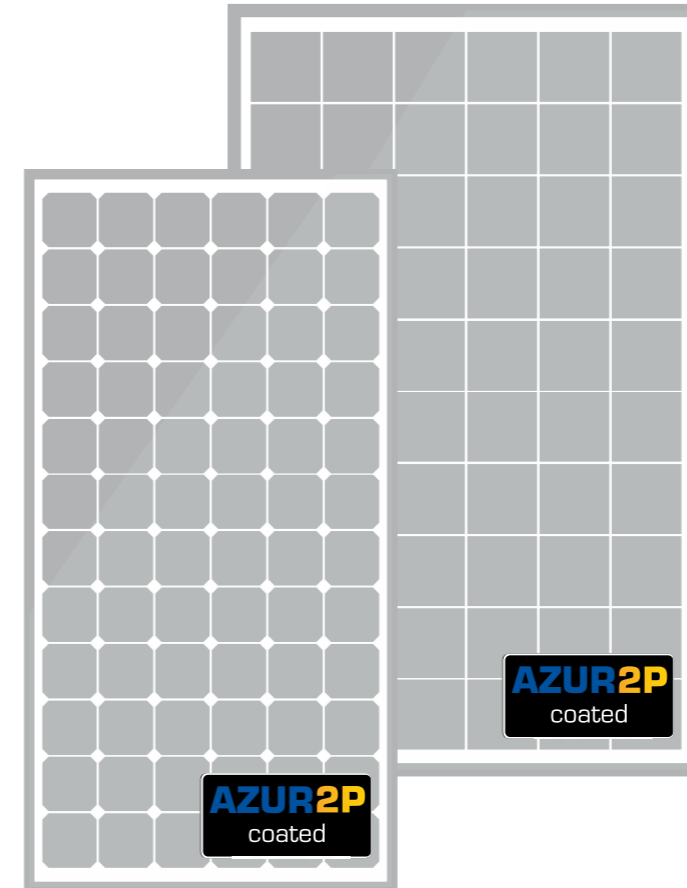
The AZUR ENERGY MANAGER controls the complete energy flow in the system. The energy manager decides, depending on the amount of consumption, which energy source or which combination of energy sources will be used to satisfy the actual demand of energy. Self produced energy, including battery stored energy, managed by the energy manager will have always precedence. The AZUR ENERGY MANAGER is permanently monitoring the charge condition of the solar battery.

AZUR SOLAR BATTERY

The brand new AZUR SOLAR BATTERY forms a very reliable team in conjunction with the AZUR ENERGY MANAGER for charging and discharging the battery. This system is not only powerful but provides solar energy even when the sun is not shining. The AZUR SOLAR BATTERY prevents a depth discharge and has therefore a longer life cycle. You can rely on the brand new, state of the art, AZUR SOLAR BATTERY system. It will provide the necessary power whenever you need it and it will store the additional valuable electricity provided by your PV-System on the roof during daytime.

AZUR BOX (optional)

If you decide to go for the AZUR BOX in an appealing metal design everything will be in reach at a glance and stored in one box. No sight of cables, components and assemblies. Totally safe and practical!



AZUR 2P

AZUR 2P, the revolutionary coating for solar modules, is also component of AZUR INDEPENDA. The coating provides perfect protection for solar module surfaces even under the harshest conditions. A self-cleaning attribute and a degradation of less than 2 % after 20 years of service demonstrate the immense potential of the coating. In 2010 AZUR Solar was awarded the »Top 100« certificate of the most innovative companies in medium sized business.

TECHNICAL DATA

AZUR ENERGY MANAGER

Output	kWp	1,5 to 8,5
Noninal Voltage	V/Hz	230/50
Number of phases		1 to 3-phases
Dimensions(L x B x H)		410 x 290 x 200 mm

SOLAR BATTERY

Voltage	V	48
Capacity	Ah	150 to 450
Cycles		ca. 2500 at max. 50 % DoD (Ø 30 to 40 %)
Life Cycle		ca. 8 years usage (300 Cycles p. a.)
Dimensions (L x B x H)		728 x 624 x 337 mm

SOLARGENERATOR

Type		polycrystallin with AZUR 2P
Output		230 to 235 Wp
Dimensions (L x B x H)		1655 x 992 x 45 mm
Weight		22,5 kg
Degradation 20 years		2 %



INNOVATIVE, CREATIVE & INTERNATIONAL

AZUR SOLAR IS A SUCCESSFUL COMPANY WITH FAMILY ROOTS

As a solar company with a flair for technology, we have set ourselves the task of supplying people with environmentally friendly, autonomous and affordable energy solutions.

For more than 10 years now we have trod the path of alternative forms of energy with conviction. Our products are used all over the world.

For the international team of AZUR Solar making use of solar energy is the rational, environmentally friendly and innovative approach to the future of energy.

At our new site in Leutkirch we have established the best conditions for our ongoing research and development. We continuously work on integrated energy concepts with the aim of increasing the efficiency of the system as a whole. Our AZUR INDEPENDA independent electricity system is the best example of this.





AZUR Solar GmbH

In den Bögen 11
D-88299 Leutkirch
T: +49(0) 75 61 . 98 89 0
F: +49(0) 75 61 . 98 89 100
info@azur-solar.com
www.azur-solar.com

CONTACT YOUR LOCAL AZUR PARTNER:

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