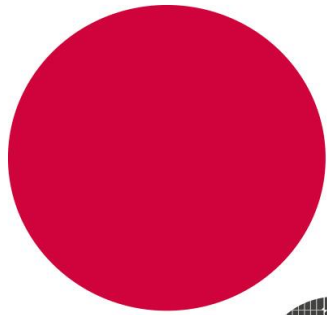


2020



Simply smarter in modules.

energetica

Join us. Step into the future.



Innovation is our PASSION



Solar Award 2020

For 25 years, Energetica has been guided by two principles:
passion for clean energy and passion for innovation.

Since the foundation in 1995, the vision and philosophy of the founder Rene Battistutti was to consider the environmental impact in everything the company does and to minimize CO2 emissions.

Our moving force is to stay ahead of time by providing only the most innovative solutions.

Our steering wheel is set to continuing R&D and development of unique products that bring significant **added-value** to clients.

By testing our products **beyond the market standards**, we strive at providing high durability, high efficiency and longevity **exceeding** the warranty.

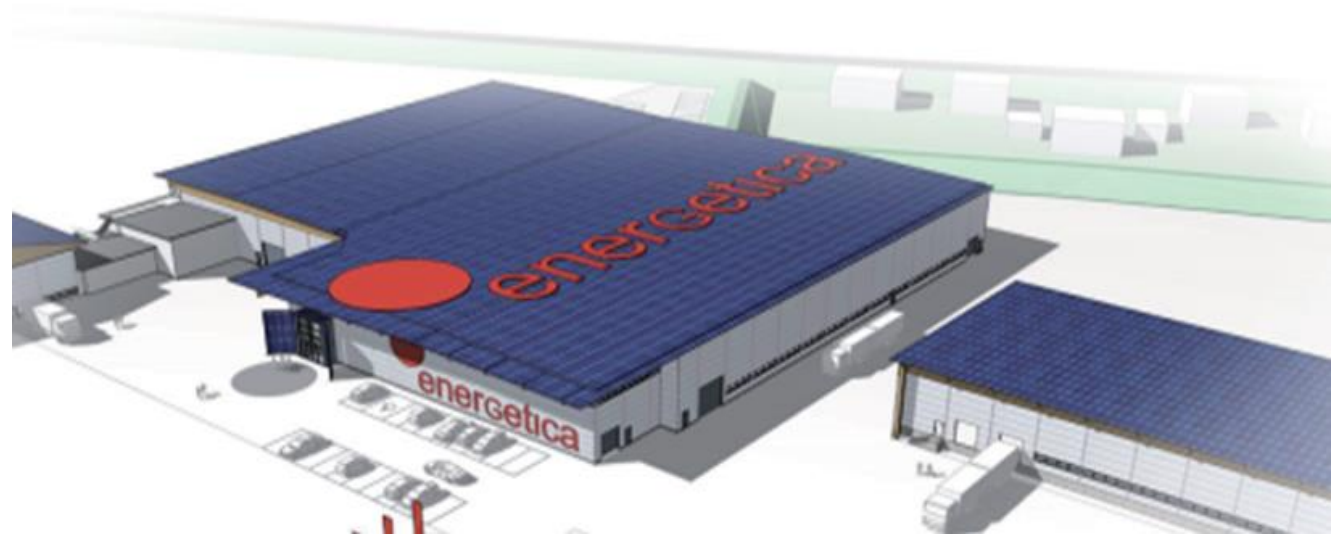
We are generating **real value** for decades to come.

e

PHOTOVOLTAIC **EXCELLENCE** MADE IN AUSTRIA.

Technologically the most advanced factory in Europe.

Energetica Industries GmbH is the leader in Europe in providing revolutionary photovoltaic products. Our production plant operates according to 4.0 industry standard, which means automation of traditional manufacturing practice using **advanced smart technology**.



The production process is completely **CO2 emission FREE**. The facility is powered by a 2.6 MW PV plant built with our own smart modules, the adjacent hydro power plant and from adjacent Biomass Energie Kärnten for wood-fueled heating.

The factory building is made of wood. The entire vehicle fleet consists of Tesla electric cars. There is an adjacent railway connection on the site, which is powered by clean energy resources.



EURO
SOLAR AUSTRIA

www.eurosolar.at



Solar award 2020 for special achievement

- Zero emission factory -

An energy self-sufficient production plant

EUROSOLAR AUSTRIA Association is a non-profit European solar energy association founded in 1989, independent of parties, political institutions, companies and interest groups.

Eurosolar awarded Energetica on 3rd of October 2020 with the Solar Award 2020 for CO₂ emission free production facility in the Carinthian Liebenfels.

It is by far the most technically advanced and the most powerful production facility for photovoltaic modules in Europe.

e

IMPORTANT MILESTONES

Our history on the way to the future.

1995
Foundation of
the Energetica
Group by
Rene Battistutti



2004
Foundation of
Energetica
Industries GmbH



2008
Construction
of the largest
PV park with
tracked modules
in Spain



2009
Expansion of
production
facility to
300.000 m²/a.



2015
Kogler Estate
Group enters
as an investor

Takeover of the
Solon cell factory
for the
development of
new solar cells



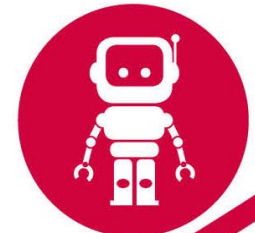
2019
Expansion of
production to
550 MWp/a.

Development
of the e.ISP –
Technology for
mass production



2020/21
Ongoing production
expansion.

Development of
patents and new
technologies

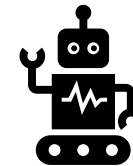


THE LARGEST CAPACITY IN EUROPE.

Brand new facility with 550 MW capacity.



Ongoing production expansion till 2025, R&D for further patents



Fully automated, high-tech equipment of the latest technology

REDUCED ENVIRONMENTAL IMPACT

Self-sufficient zero emission factory.



- Wrapping foil made of biodegradable material
- Reusable wooden pallet
- Recyclable cardboard lid





WE BRING THE FUTURE TODAY.

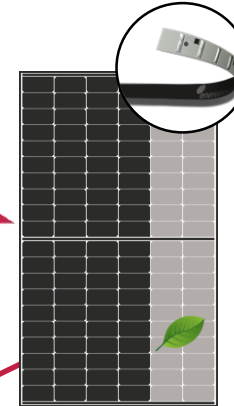
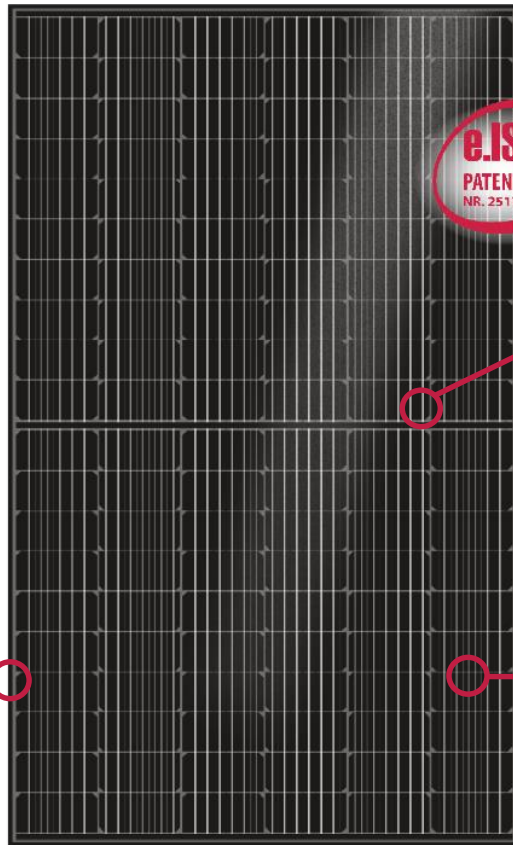
HIGHEST POWER. SMART INTEGRATED ELECTRONICS.

TECHNOLOGICAL LEADERSHIP.

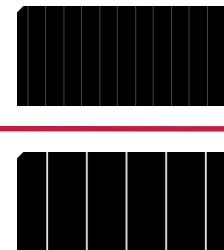
The future is NOW.



Safe storage in any environment
 safe transport (no transport-induced micro-cracks)
 Safe handling (horizontally positioned means easy to be handled and carried while manual unloading)
 Wrapping material made of biodegradable material



Energetica Integrated Shadow Protection (e.ISP) intelligent, highly efficient Control electronics integrated in the PV module through a printed circuit board. The ultimate solution for constant optimized efficiency in case of shadows



12BB solar cell is more efficient than 5BB solar cell:
 shorter transmission distance for electrons: reduced distance leads to less electrical losses.

4,5% more power.

e.ISP

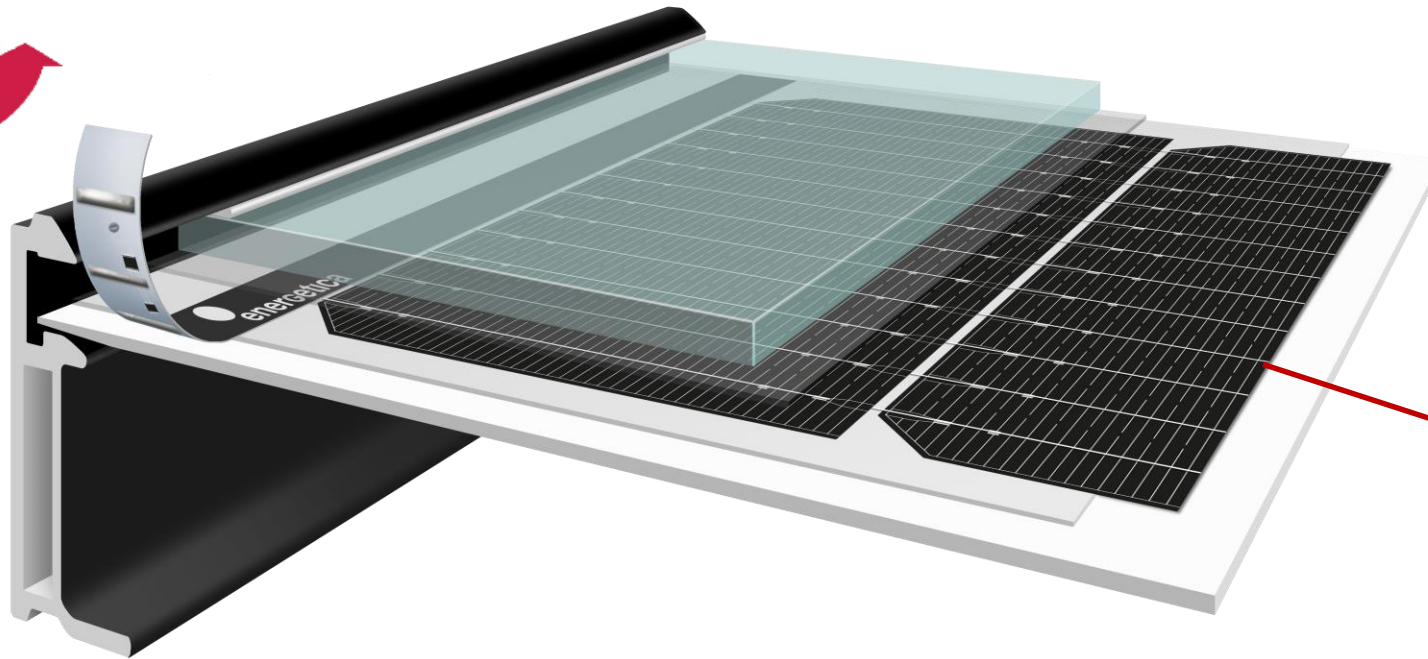
Integrated Shadow and Temperature Management

The **only** module in the world with integrated control electronics.
The only module in the world with a brain.



e.ISP – Technology, half cells and 12 bus bars.

The heart and soul of an Energetica module.



**12 BB
module 4,5 %
more energy
then 5 BB
module**

Energetica Integrated Shadow Protection (e.ISP) - the intelligent, highly efficient control electronics that are integrated into the PV module via a printed circuit board. Reduced distance leads to less electrical losses.

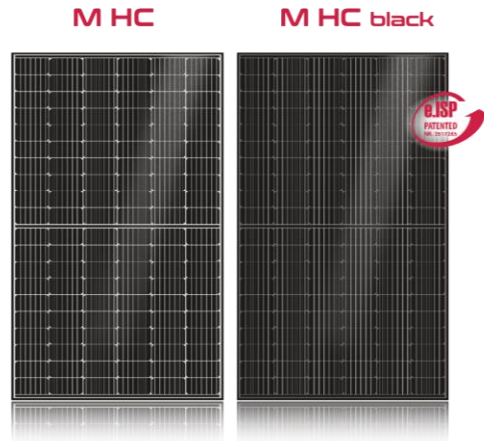
Wires with circular cross-sections: increase light absorption in the cell from different angles.

The ONLY solution for constantly optimized efficiency and temperature management in shading events.

PERFORMANCE ELECTRIFIED.

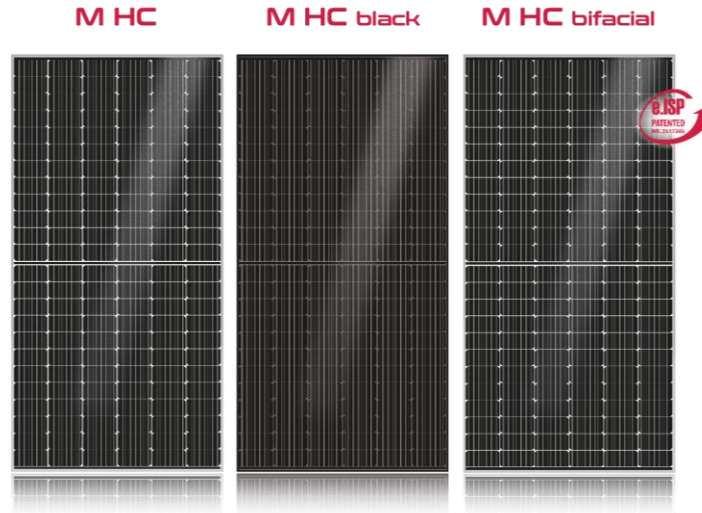
The Energetica product family

e.Classic



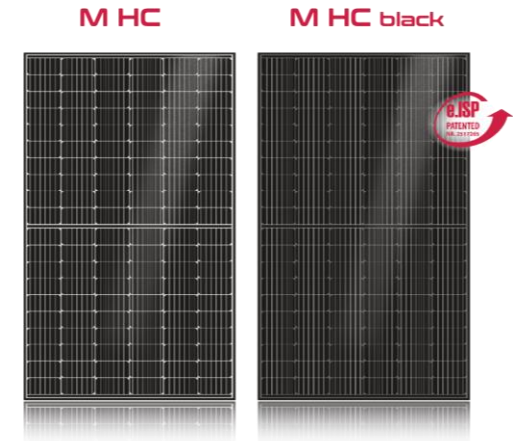
Performance booster
up to 390 Wp

e.Giant



Power rocket
up to 470 Wp

e.Prime

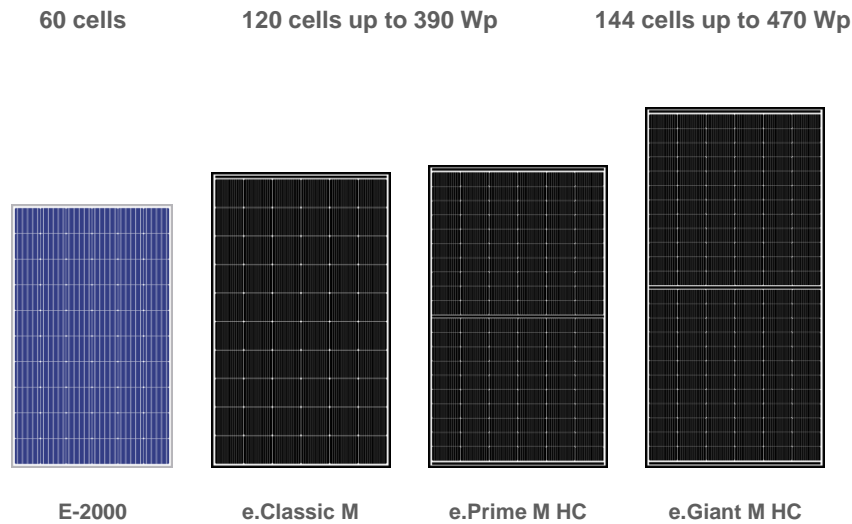


Heavy load runner
Up to 390 Wp
10600 Pa

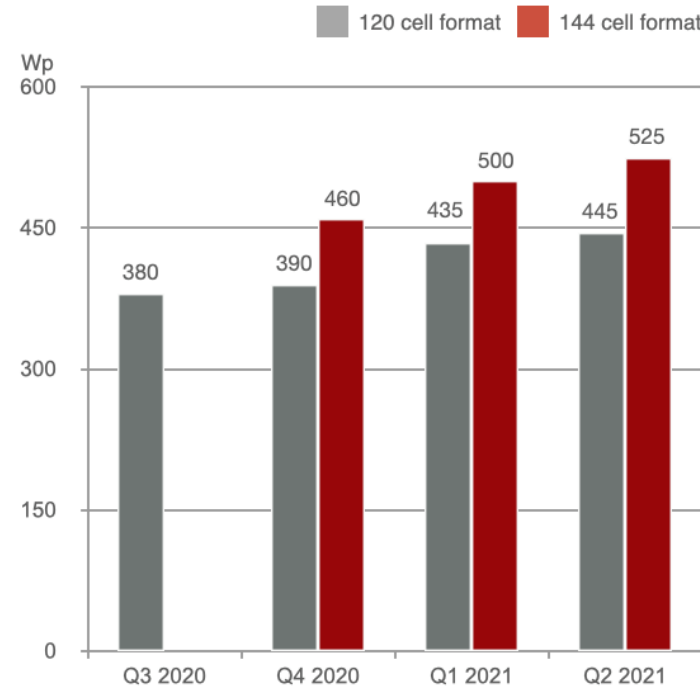
ROADMAP to THE FUTURE.

Join us. On the path to innovation.

Evolution of technology



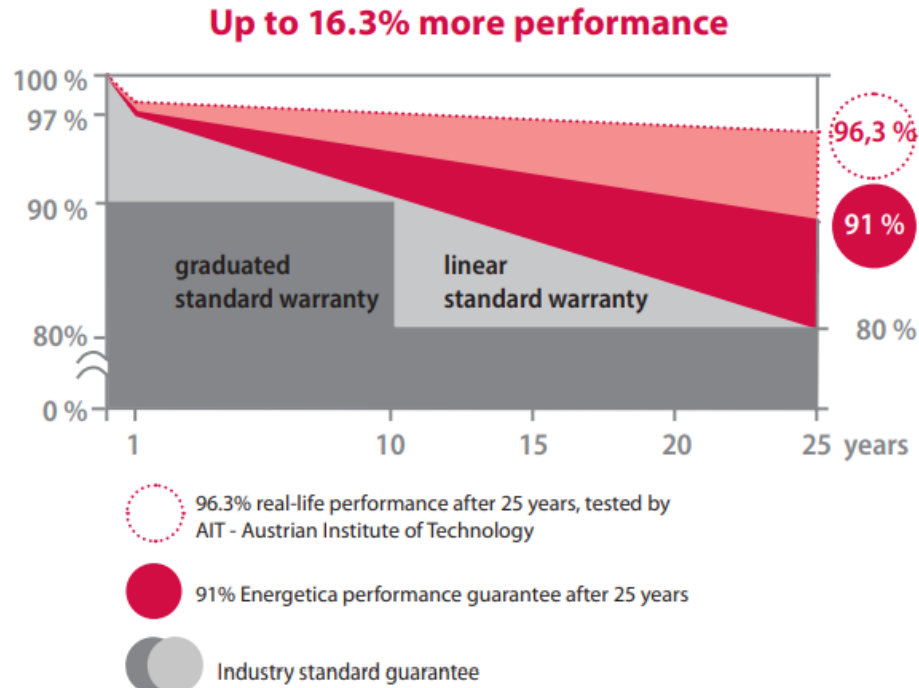
Increased performance per square meter
not size



Pushing the limit

LEADING PERFORMANCE WARRANTY globally.

Long-term quality matters. Less degradation = long life-time.



≤ 3%

1st year degradation

-0.25%

Linear annual degradation after the 1st year

READY FOR ANY CHALLENGE.

From simple module to architectural excellence



BIPV project made with Energetica's modules on one of the most amazing buildings in the world - King Abdullah Petroleum Studies and Research Center - KAPSARC

The designer of KAPSARC was Zaha Hadid, the first women architect - winner of the Pritzker Architecture Prize, the Stirling Prize and the only woman to be awarded the Royal Gold Medal from the Royal Institute of British Architects.

Only the best was good enough.

Energetica's modules were selected as the ultimate choice for high-tech module design to cover 27.000m² rooftop area. Over 400 different shapes of modules have been engineered and produced in the heart of Austria, Liebenfels and integrated in the state-of-the-art KAPSARC design in a way to make them walkable and accessible for easy maintenance after sandstorms.

*A WORK of ART was born!
Unbeatable in its beauty and functionality*



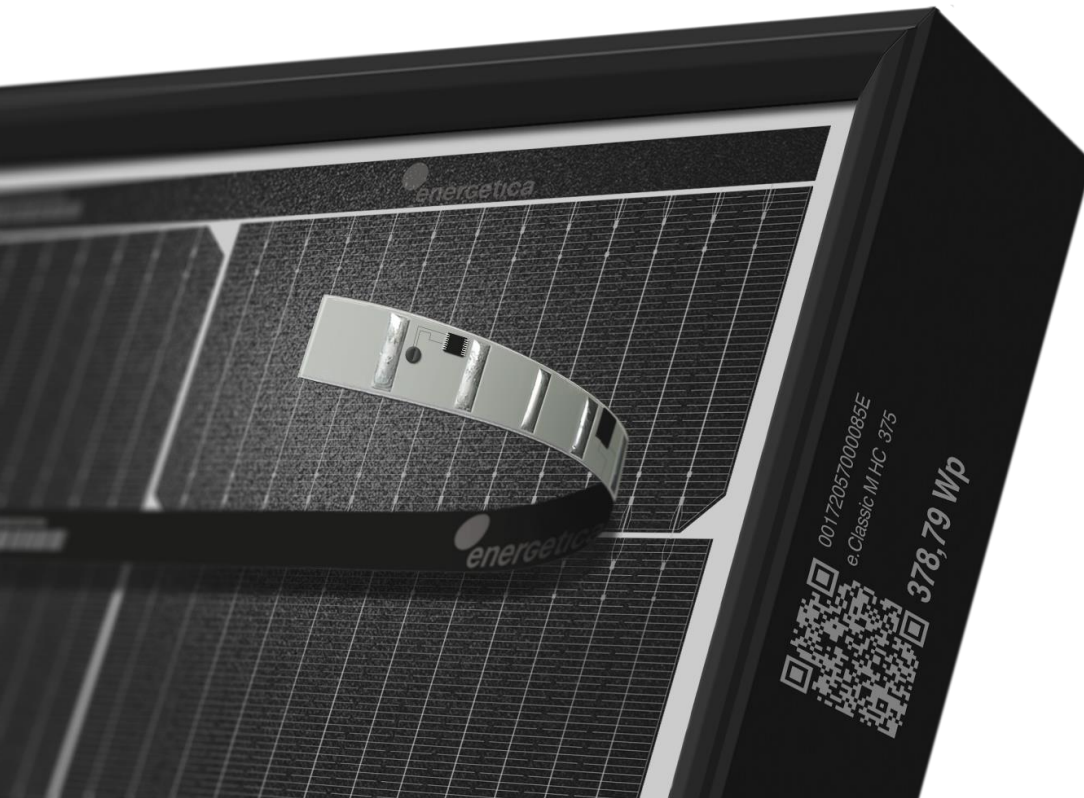
NO LIMITS.
Architectural excellence.

High performance
even in the harshest
environments.

e.PRIME

at 3,300 m
above sea level withstanding
8000 Pa mechanical load.





Join us.
Step into the future **TODAY**.
With **Energetica** patented solutions.

Send us an email today at:
sales@solsol.cz
orsag@solsol.cz