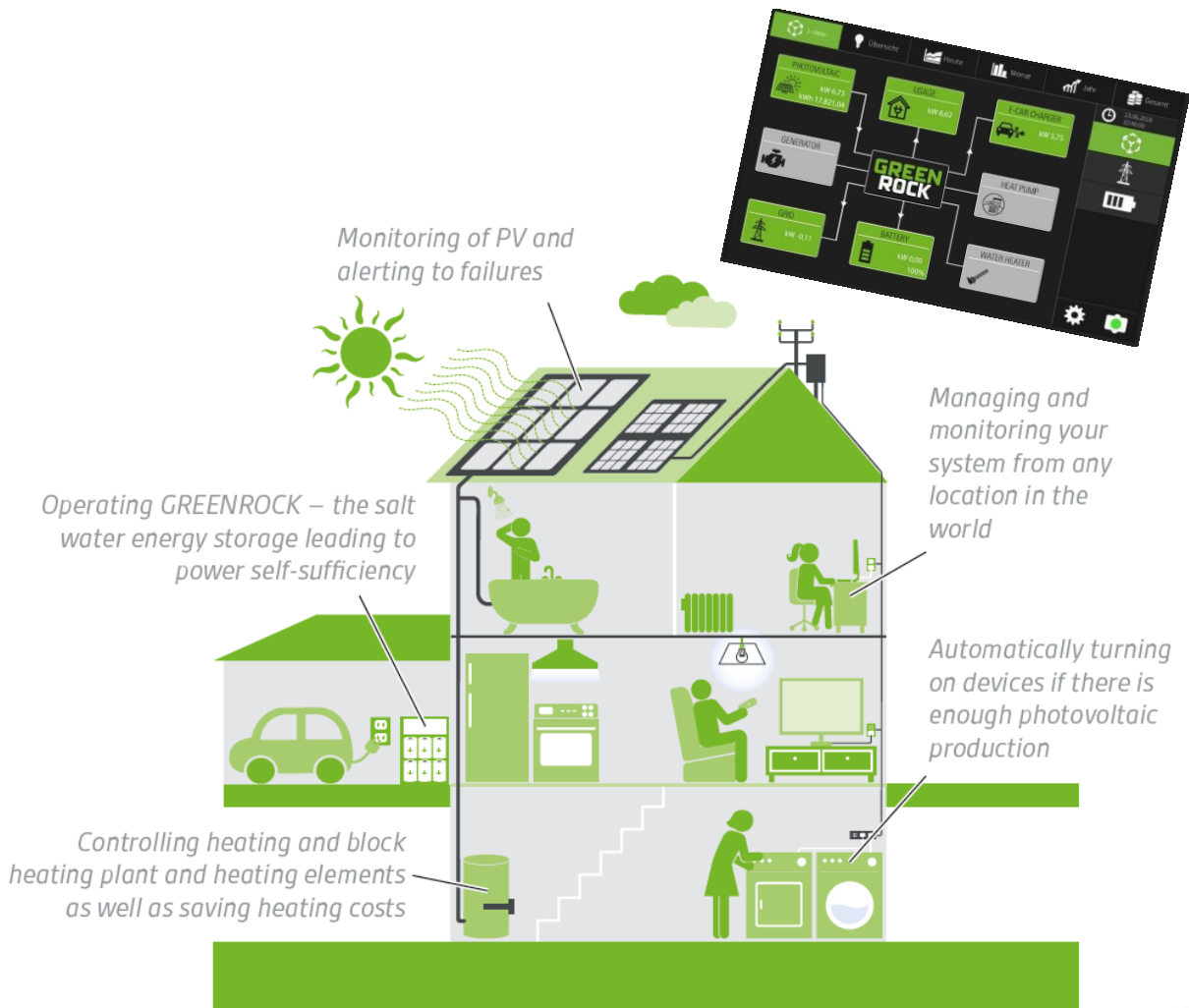


GREENROCK

THE SALTWATER ENERGY STORAGE SYSTEM

GREENROCK EMS

Intelligent Energy Management



Simple & Smart

EMS increasing self-consumption and profitability of your photovoltaic (PV)

Gradually expandable



Fornacher Straße 12
4870 Vöcklamarkt
Austria

Tel. 0043 720 010 188
E-Mail: office@bluesky-energy.eu
www.bluesky-energy.eu

Advantages offered by intelligent energy management:

With EMS basic package

- ✓ Photovoltaik upgrading
- ✓ Compatible with common PV inverters
- ✓ Gradually expandable *, at any time
- ✓ Visualization of energy flows via app
- ✓ Fast return on investment
- ✓ Smart and ready to connect, no complicated programming



With optional upgrading

- ✓ Optimizing the PV's self-consumption
- ✓ Smart control of energy flows
- ✓ Load Management and Peak Shaving **

* Which functions can be upgraded?

Upgrade the system in stages by radio-controlled sockets, heat pump, power storage, E-car charging station, heating element or even a second energy source (eg wind turbine, generator, CHP, ...). You decide when and which investment is worthwhile for you and stay fit for future developments. Of course, a GREENROCK saltwater energy storage can be integrated into the system.

** What is Load Management or Peak Shaving?

With sufficient energy produced by the PV radio controlled sockets can start consumers such as washing machine, tumbler, dishwasher or pool pump.

Appropriate PV-inverters



Basic package GREENROCK EMS

Monitoring photovoltaics and visualizing energy flows on a web-based interface via your smart phone.

Basic package GREENROCK EMS Installation included End customer price net.	EURO 1,160,--
Amortization* in Germany	5 years
Amortization * in Austria	6.5 years
Effective interest** Germany p.a.	20%
Effective interest** Austria p.a.	15%

* Amortization is depending on the price of electricity. Calculation according to current tariffs 2018. With rising electricity prices the payback period is shortened.

** Effective interest on a calculation of 20 years.

Upgrade options

E-car charging station

Variable charging of your electric vehicle with your photovoltaic current. Save charging costs.



GREENROCK -Saltwater energy storage

Integration of the safe and environmentally friendly GREENROCK saltwater energy storage. Use your solar energy at night and on bad weather days.

Heat Pump

Operate your heating pump with cheap photovoltaic power during sunny day hours. Use the heat pump as a perfect buffer storage.



Heating Element

Integrate a stepless heating element via a my-PV heating element, thyristor or frequency converter. During midseasons you can generate hot water with PV power without using your heater.

Radio-controlled sockets

Additional radio-controlled sockets allow you to control flexible loads when enough PV power is available.