



## The easy way to energy independence

Energy Manager from Bosch makes it easy to generate heat efficiently and to use internally generated electricity economically.

March 2020

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- ▶ Efficient distribution of electricity
- ▶ Autonomous energy generation; smart energy use
- ▶ Bosch Smart Home for maximum comfort in the connected home

As connectivity continues to gain importance, it covers more and more areas of life. Bosch has identified this potential and offers intelligent solutions for a smart home, including intuitively simple heating, DHW, energy management and indoor climate solutions. Bosch delivers a comprehensive range of home appliances as well as security and safety systems for a connected home from a single source, thus making life so much easier. The smart Energy Manager<sup>1</sup> from Bosch symbolises this forward-looking connectivity and intelligently combines heating, domestic hot water and electricity.

### Independent heating and electricity cost savings made easy

Energy Manager from Bosch serves as a particularly intelligent interface between a Bosch heat pump and a photovoltaic system and optimises the efficient use of self-generated photovoltaic electricity. In the smart home, additional power consumers such as Bosch household appliances may also be connected. The hardware used comprises a Bosch Compress 7000i heat pump and a photovoltaic system with a Fronius Symo (hybrid) inverter.

The way it works is simply smart, as Energy Manager ensures that excess photovoltaic electricity is fed into the heat pump. The latter heats up to the previously set maximum temperature and thus acts as a kind of thermal battery. This process takes place in a particularly efficient way – fully modulating. The heat pump is switched on at exactly the power that is currently available from the PV system. This way, the use of electricity from the grid for space heating in the evening is avoided to the extent possible. Another special feature is that the PV

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<sup>1</sup> [www.bosch-einfach-heizen.de/energiemanager](http://www.bosch-einfach-heizen.de/energiemanager)

electricity may also be used for cooling, as the heat pump is able to cool in summer, ideally using only PV electricity. This allows homeowners to generate heat, cold and hot water efficiently and comfortably in a largely self-sufficient manner, thereby cutting their power bills quite noticeably. It is also possible to store the excess electricity in a storage system connected to the Fronius inverter for evening use, which further reduces homeowners' dependence on the public utility as well as their power bills.

### **Smart home comfort made easy**

Thanks to its particularly efficient thermal storage, Bosch Energy Manager offers unparalleled heating and cooling comfort. In the connected home, it can be easily integrated into the Bosch Smart Home app. It thus serves as a smart interface which distributes the internally generated solar power in the home as needed. In addition, smart room thermostats permit the flexible temperature control of individual rooms for an even higher use of internally generated electricity. Users may even integrate their household appliances such as dishwashers or washing machines and operate them with their own low-cost electricity based on the transparent energy flow information provided.

### **All relevant information at a glance**

In conjunction with Energy Manager, the intuitive user interface of the Bosch Smart Home app gives users a quick overview of the entire energy balance of the building. The detailed information displayed to the user includes, for instance, the amount of CO<sub>2</sub> saved or the cost savings achieved thanks to the use of internally generated electricity. The energy exchange between the photovoltaic system, the heat pump and the optional electricity storage system is also shown. Energy Manager from Bosch thus makes power consumption and distribution more transparent and serves as a forward-looking solution that assists homeowners in becoming energy-independent.

### **Everything from a single source with PV specialist IBC SOLAR**

Bosch and IBC SOLAR, one of the leading system providers for photovoltaics, will become partners as of March 2020. This partnership offers customers not only a comprehensive product portfolio, but also extensive services from a single source. The aim is to realise a coordinated overall system with a single contact for the end customer and the installer – all this under the usual high quality standard. While IBC SOLAR takes care of the design, installation and registration with the grid operator for the PV system, Bosch complements the energy-efficient systems with sustainable heating solutions. True to the motto "Everything from a single source", customers will benefit from end-to-end services. This will make it even easier than before to generate energy in an environmentally friendly and

efficient way, to consume it intelligently and to save electricity costs at the same time.



### **Bosch press photo 01**

Simply smart: Energy Manager can be integrated into the Bosch Smart Home app in just a few steps and is easy to use thanks to its intuitive user interface. This gives users a quick overview of the energy flows in their home. (Source: Bosch)



### **Bosch press photo 02**

Energy Manager from Bosch is an intelligent solution for the smart home, in which heating technology, household appliances and security systems are connected. (Source: Bosch)



### **Bosch press photo 03**

Bosch Energy Manager serves as a smart interface between the photovoltaic system and the heat pump, which operates fully modulating in relation to the internally generated solar power. This allows homeowners to efficiently generate heat or cooling and to cut costs in the process. (Source: Bosch)



### **Bosch press photo 04**

Energy Manager makes power consumption and distribution more transparent and serves as a forward-looking solution that assists homeowners in becoming energy-independent. (Source: Bosch)

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## **Search engine optimisation (SEO)**

### **Meta description**

Energy Manager from Bosch is an intelligent solution for the smart home, in which heating technology, household appliances and security systems are connected. It serves as a digital interface between the heat pump and the photovoltaic system and communicates between these two components.

### **Tags/keywords**

Bosch; Energy Manager; photovoltaic system; heat pump, smart home; connected; connectivity; Compress 7000i ; heating technology; domestic hot water; household appliances; safety systems; indoor climate

## **Social media / newsletter lead**

### **Facebook**

Bosch Energy Manager allows you to cut your power bill significantly and to intelligently connect different areas of your smart home. Find out more here:  
<Link>

### **Twitter**

#Bosch #EnergyManager allows you to cut your power bill significantly and to intelligently connect different areas of your smart home. More information here:  
<Link> #FutureThermotechnology

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