

The easy way to energy independence

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

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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 Manager¹ 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

¹ 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 CO₂ 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

Bosch Thermotechnik ist ein führender europäischer Hersteller von energieeffizienten Heizungsprodukten und Warmwasserlösungen. Im Geschäftsjahr 2018 erzielte Bosch Thermotechnik mit rund 14 200 Mitarbeitern einen Umsatz von rund 3,5 Milliarden Euro, davon 66 Prozent außerhalb Deutschlands. Bosch Thermotechnik verfügt über starke internationale und regionale Marken und ein differenziertes Produktspektrum, das in Europa, Amerika und Asien produziert wird.

Mehr Informationen unter www.bosch-thermotechnik.de

Die Bosch-Gruppe ist ein international führendes Technologie- und Dienstleistungsunternehmen mit weltweit rund 403 000 Mitarbeitern (Stand: 31.12.2019). Sie erwirtschaftete im Geschäftsjahr 2019 nach vorläufigen Zahlen einen Umsatz von 77,9 Milliarden Euro. Die Aktivitäten gliedern sich in die vier Unternehmensbereiche Mobility Solutions, Industrial Technology, Consumer Goods sowie Energy and Building Technology. Als führender Anbieter im Internet der Dinge (IoT) bietet Bosch innovative Lösungen für Smart Home, Smart City, Connected Mobility und Industrie 4.0. Mit seiner Kompetenz in Sensorik, Software und Services sowie der eigenen IoT Cloud ist das Unternehmen in der Lage, seinen Kunden vernetzte und domänenübergreifende Lösungen aus einer Hand anzubieten. Strategisches Ziel der Bosch-Gruppe sind Lösungen für das vernetzte Leben. Mit innovativen und begeisternden Produkten und Dienstleistungen verbessert Bosch weltweit die Lebensqualität der Menschen. Bosch bietet „Technik fürs Leben“. Die Bosch-Gruppe umfasst die Robert Bosch GmbH und ihre rund 440 Tochter- und Regionalgesellschaften in 60 Ländern. Inklusive Handels- und Dienstleistungspartnern erstreckt sich der weltweite Fertigungs-, Entwicklungs- und Vertriebsverbund von Bosch über fast alle Länder der Welt. Basis für künftiges Wachstum ist die Innovationskraft des Unternehmens. Bosch beschäftigt weltweit rund 72 000 Mitarbeiter in Forschung und Entwicklung an 125 Standorten.

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