MAXIMIZE YOUR ENERGY PRODUCTION, MINIMIZE ENERGY COSTS

The all-integrated home energy package from LG
PV Solar Modules I Energy Storage System I Air-to-Water Heat Pump
The renewable energy market is growing rapidly and constantly changing. In addition to helping the environment, today’s homeowners want to reduce their electricity costs and guard against future electricity rate spikes.

Our innovative Smart Home Energy Package is the world’s first all-integrated energy package comprising all the main systems needed to generate energy at home.

By combining three products in one package, (PV Solar, Energy Storage System, Air-to-Water Heat Pump), it enables customers to generate their own renewable energy and store it intelligently to use it later when needed.
LG INNOVATION IN ACTION

Our complete solution at a glance
From efficient, premium-designed solar cells on the roof to a smart energy storage system on the ground floor. The LG Smart Home Energy Package can be perfectly integrated into all types of houses. Produce your own energy from renewable resources, store it in the battery or water tank, and enjoy a comfortable and sustainable home while cutting your electricity bills comfortably and sustainably.

1. PV Solar Modules
2. Energy Storage System (ESS)
3. Air-to-Water Heat Pump (AWHP)
1 pm: The sun is shining brightly. Your LG solar panels are generating electricity at their maximum capacity. You’re still at work and your children are still at school, so your home is consuming very little electricity. It’s comforting to know that the excess electricity is charging your LG Battery (ESS).

2.30 pm: The battery is now fully charged, but your home’s consumption is still minimal. You could sell the electricity back to the grid - but your LG Smart Home Energy Package has a better plan. It automatically routes the excess electricity to the LG Air-to-Water Heat Pump, filling up your hot water tank.

5.30 pm: Your family returns home. Electricity usage spikes while the amount being produced by the solar panels rapidly decreases as the sun goes down. But your LG Battery kicks in, making up the difference. After dinner, your son indulges in a long hot shower after soccer practice, and the dishes need to be washed. Your battery doesn’t have enough capacity to heat large amounts of water – a very energy-intensive process – in the past, you would have bought electricity from the grid to meet your peak demand. But thanks to your newly installed LG Air-to-Water Heat Pump, all that excess electricity generated in the afternoon has been put to good use filling your hot water tank to the brim. A very smart way to save on your energy costs.
LG’s innovative Smart Home Energy Package is an integrated, stand-alone system equally suitable for newbuild and renovation projects which offers you the most efficient, eco-friendly and reliable solution for your customers.

Because the system already includes all the main products, it will make your life easier by eliminating the time-consuming, expensive search for compatible components and allowing you an easier installation and ordering process.

In addition, your customers will benefit from long warranty periods, the high-quality build of all components, and service commitment from a company with a 60-year history.

The main advantages for you
- All-integrated: One-stop shopping for all your components – eliminate the time and hassle of dealing with multiple suppliers – one contract/one contact point; easier installation
- Reliability: Associate yourself with LG, a globally renowned brand with over 60 years’ experience; benefit from long warranty periods and dedicated customer service
- Partnering with LG will increase your opportunities to meet the growing customer demand for energy-efficient home solutions
- LG offers a wider product portfolio than any other company, enabling you to offer your customers a choice to meet their individual needs
- Customizable for different type of houses

The main advantages for your customers
- Energy-efficient, cost-saving solution (low waste/less electricity consumption)
- Generating your own electricity and heating means reduced vulnerability to rising energy costs
- Eco-friendly: Reduced CO₂ footprint compared to conventional power sources
- Reliable: Industry-leading warranty periods, high-quality products, first-class service
- All-integrated: Whole package managed by the same customer service team
LG offers a wide range of high-performance solar modules for virtually any application. They are highly efficient, delivering better performance within the available space on your roof. Our solar modules offer outstanding durability and undergo intensive testing, minimizing the risk of defects. In addition, an industry-leading warranty of 25 years is offered. LG modules have been designed with aesthetics in mind, enhancing any roof’s appearance and increasing the value of the building.

- 25-year warranty
- Highly efficient (up to 19.8%)
- Better performance per square metre
- Premium black design
- Outstanding durability (able to withstand high pressures)

**LG ENERGY STORAGE SYSTEM (ESS)**

**Enjoy solar energy even after sunset**

The LG Energy Storage System (ESS) means you can offer your customers a complete smart solution for energy-efficient homes by allowing the storage of solar-generated electricity for maximized self-consumption any time day or night. Our ESS converts power extremely efficiently generating three-phase AC power without the risk of unbalanced loads occurring. And thanks to 24-hour web monitoring, the status of the ESS can be checked anytime, anywhere.

- 10-year warranty
- Compact plug & play system
- DC-coupled & 3-phase system
- Battery capacity expansion (up to 12.8 kWh)
- 24h web monitoring

**LG PV SOLAR MODULES**

**Timeless design meets advanced technology**

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The LG THERMA V makes your home warmer and more comfortable. It provides a greener heating solution thanks to its revolutionary scroll compressor and R32 refrigerant. This Air-to-Water Heat pump system uses electricity for only 25% of its energy needs, obtaining the remaining 75% from naturally occurring air source heat. It works reliably even in extremely cold temperatures down to -25°C and delivers water with a maximum outlet temperature of 65°C.

Perfect indoor climate in every season

- Energy and cost saving
- Excellent performance even at low ambient temperatures (extremely reliable down to -25°C)
- Flexible design and easy installation
- Low noise level of only 52 dB (A)
- Lower global warming potential (GWP) through the use of the new refrigerant R32
- Remote control via Android and iOS smartphone with the new LG Smart ThinQ APP

See our brochure for additional THERMA V designs.
OUR SERVICE, YOUR SUCCESS

Working with LG means having a strong, reliable partner at your side every day. Our long-term expertise in all relevant fields: solar, energy storage, and air conditioning, combined with an extensive range of services, is the ideal way to add value to your business.

LG Electronics Business Solutions

We offer professional solutions in air solutions, solar power, and information display. As a leader in B2B innovation, LG Electronics Business Solutions aims to provide comprehensive solutions including consultancy, installation, maintenance, and support in collaboration with its professional business partners. LG Business Solutions Europe is located at the LG Electronics European Headquarters in Eschborn, Germany, with additional offices throughout Europe.

LG Academy

Our new LG Academy is located in Eschborn, Germany. We offer training courses and certification programmes with full support and service. And we’re also delighted to help you regarding individual requests and requirements.

Want to learn more?

Please visit www.lg.com/global/business or contact us at eu.b2b@lge.com for further information.