



LG ThinQ Home

LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea
www.lg.com/global/business



LG ThinQ Home

LG ThinQ Home is a future-proof solution designed for a lifestyle focused on convenience, comfort, security, sustainability, and efficiency within the living environment. LG ThinQ Home offers tailored solutions to enhance the business performance of customers in the housing industry.

All integrated: LG products + Systems + Services

- Built-in smart appliances, renewable energy solutions
- HVAC with high energy efficiency
- Integrated platform connects to individual appliances and devices
- Seamless operational scenario

Data-driven maintenance service

- Integrated platform connecting to individual appliances and devices
- AI and big data driven remote maintenance service

LG, the trusted solution partner

- Consulting services to match your unique requirements with long-term partnership
- One-stop solution provider mobilizing all LG's capability





convenience

LG ThinQ Home provides higher living standards in your home with Smart / AI-powered appliances. Smart appliances are easy to control using simple voice command and can be monitored via mobile phone anytime, anywhere. LG ThinQ Home learns your preferences over time to better provide you with customized tips and suggestions.



Refrigerator



Washer / Dryer



Styler



TV



Home Robot

comfort

High quality indoor air is one of the most important factors in your healthy living. LG ThinQ Home makes the indoor environment healthy and pleasant by automatically monitoring and adjusting temperature, humidity, CO2, and fine dust(PM2.5) levels. The lighting, appliances, and devices are connected to create an optimal environment for relaxation.



Air Conditioner



VRF *



Air Purifier



Ventilation System



Sensor Hub

* Variable Refrigerant Flow





security

Biometric technologies such as fingerprint and face recognition can enhance security. In addition, the remote access function helps you manage visitors access through mobile phone.

The homeowner is notified of unexpected events such as break-ins, fires or gas leaks and the security system which can be managed remotely.



In Home Unit



Door Lock



CCTV



Sensors

sustainability

A substantial part of your home energy consumption is supplied by LG solar PV and the energy bill decreases drastically when ESS (Energy Storage System) and energy management services are added to the PV System.

LG ThinQ Home manages power generation, consumption, and storage intelligently and can be further upgraded by connecting the town or the house to various services such as micro-grid* or virtual power plant.

* micro-grid : a group of loads or energy resources distributed in each households within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid.



Residential PV



Residential ESS

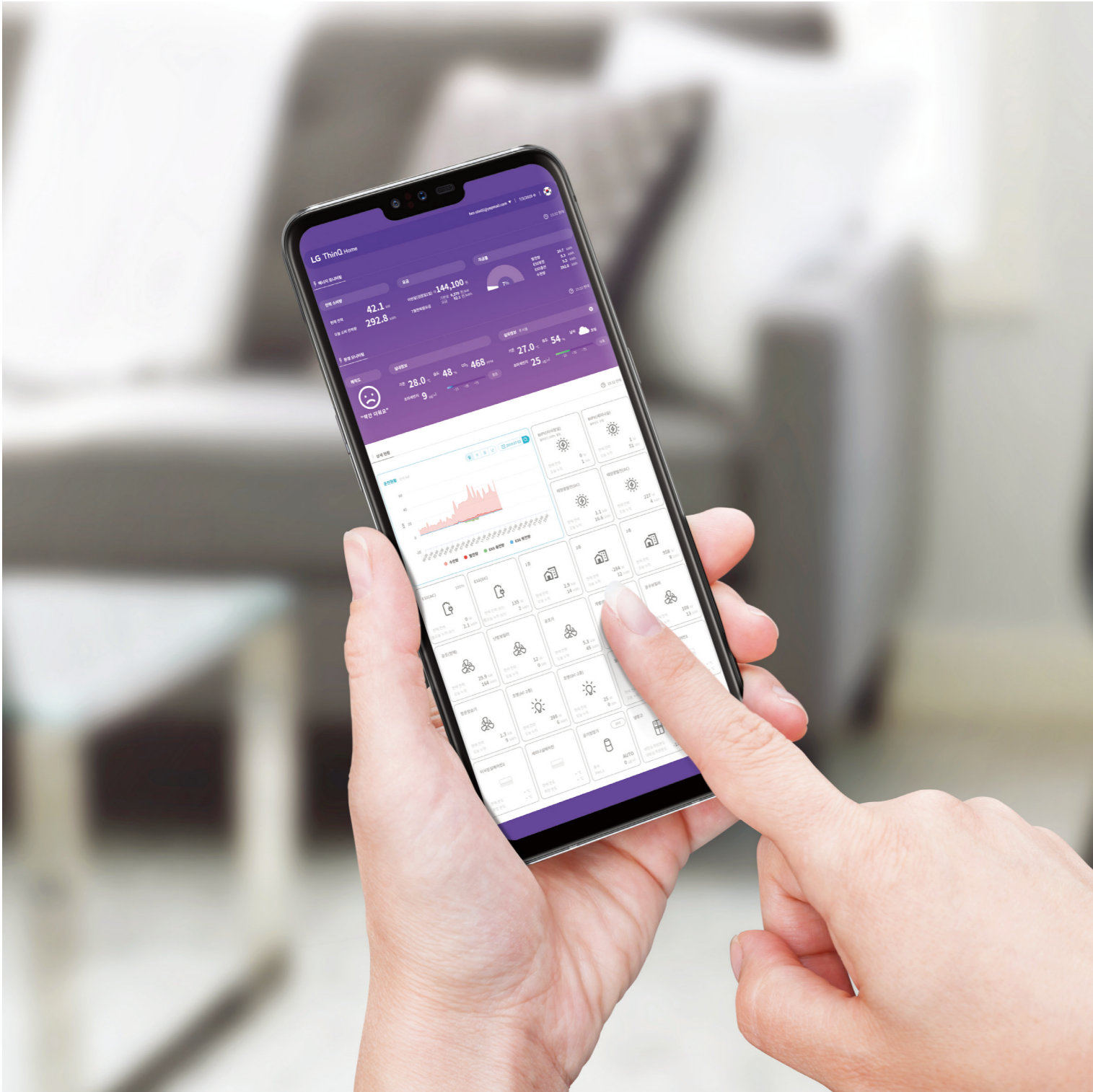


System Boiler



Smart Lighting





efficiency

Home appliances are kept in best conditions by LG ThinQ Home's Integrated Monitoring and Care Services. For better residential experiences in the community, LG ThinQ Home connects each household to public concierge services such as public town notice, parking availability check, elevator summoning and community activity participation. You will have the best control of your daily living space with LG ThinQ Home.



BECON CLOUD
Integrated Monitoring System



Care Service

LG ThinQ Home as your Business Partner

- LG ThinQ Home contributes to the sales of property by offering inhabitants greater value in the residential experience — convenience, comfort, security, sustainability, and efficiency.
- LG's Care Service for appliances and Integrated Management Service make maintenance and operation of housing/rental business more efficient.
- LG, your long-term partner, supports you throughout the whole process of housing business — from the initial designing to the construction and maintenance service — to ease your efforts and achieve cost-effectiveness.



LG Sangnam Library (Seoul, Korea)

- Outline : Detached house of the late founder of LG, currently repurposed as a digital library
- Area : 1 floor below ground/3 floors above ground, 1,520m²
- Energy consumption : electricity 9,830kWh, gas 95,450MJ
- Solution : all electric house, comfort environment system, direct current distribution board, and home appliances



A apartment (Seoul, Korea)

- Outline : home of a double income family of 4
- Area : 99m²
- Energy consumption : electricity 293kWh, district heating
- Solution : power generation using solar blinds, comfort services



B apartment (Seoul, Korea)

- Outline : home of a family of 3, used for tutoring students during the day
- Area : 148m²
- Energy consumption : electricity 223kWh, gas 4,267MJ
- Solution : power generation using solar blinds, comfort services



C detached house (Gyeonggi-do, Korea)

- Outline : medium sized wooden house, family of 4
- Area : 2 floors, 168.75m²
- Energy consumption : electricity 515kWh, heating lamp oil 400L
- Solution : all electric house, AC/DC hybrid distribution board, DC home appliances

* Energy consumption data based on Feb 2018