smart energy
by connectivity standards alliance

Sustainability & Conservation with Zigbee's Smart Energy

Creating Greener Homes & Buildings

Smart Energy is the world's leading standard for interoperable products that monitor, control, inform and automate the delivery and use of energy, gas, and water.

Smart Energy helps create greener homes and buildings by giving consumers the information they trust and automation they need to reduce consumption and save money.

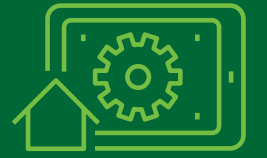## Smart Energy Device Types

Smart Meter

Thermostat

Communication Hub

Switches, Sensors, Load Controllers

In-home displays (IHDs)

Certified Devices
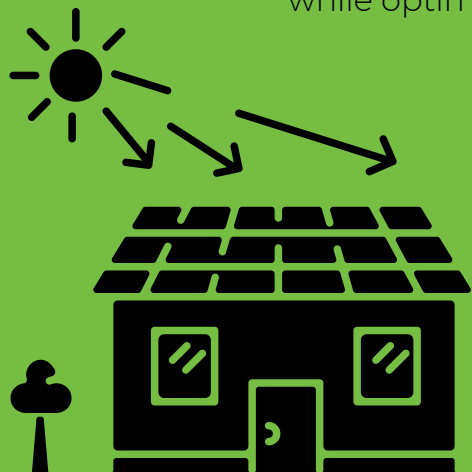
1189
LIFETIME CERTIFIED DEVICES

120+
NEW DEVICES CERTIFIED IN 2021

15
YEARS OF PRODUCT DEPLOYMENTS

Solar

Smart Energy helps wirelessly connect solar inverters to the internet while optimizing energy grid revenue.

Offsets over 70 million metric tons of carbon dioxide annually = planting almost 1.2 billion trees

~$1,500/year average household savings

Smart Metering

Smart Energy supports regulations while providing information for consumers to optimize energy consumption and reduce carbon footprint.

Widely deployed: North America, Europe, Latin America, Asia & South Africa

9 to 14% consumer energy consumption savings via increased awareness, used as a battery for the home, if needed

Over 26 million smart meters installed in the UK and 91 million in the US

In the UK, use of smart meters created energy savings equivalent to nearly 35 million trees

Electric Vehicles

Smart Energy helps enable configuration, load management and information services for Electric Vehicles

1 EV saves ~1.5 million grams of CO2 each year

50% of models sold by 2025 to be EVs

$1000s in savings over traditional vehicles

Used as a battery for the home, if needed

On this Earth Day, and every day, think about ways you can use less energy and how smart solutions like Zigbee and Smart Energy products can help!

To learn more about Smart Energy visit: https://csa-iot.org/all-solutions/smart-energy/

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