

A modern, multi-story house with a flat roof covered in solar panels. The house has large glass windows and a wooden-clad lower level. In the background, a blue ocean and a clear sky are visible. A dark blue diagonal shape is overlaid on the right side of the image, containing white text.

# Solar PV

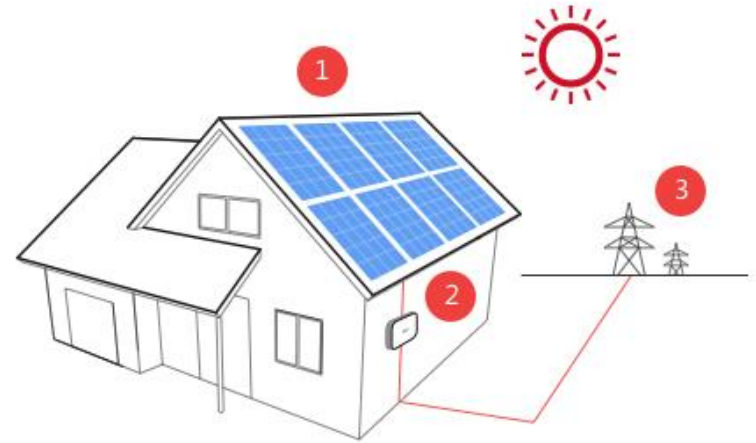
# SolarEdge Eco System

Richard Fuell - SolarEdge UK and Irish Sales Manager

solar**edge**

# How Does Solar Energy Work?

- Solar photovoltaic (PV) modules capture and convert sunlight into clean DC (direct current) electricity
- Solar modules are connected in a series circuit to a PV inverter.
- A solar inverter converts DC electricity generated by modules into grid compliant AC (alternating current) power
- The inverter produces AC power at the system level, and interacts with the utility grid



1. Solar modules 2. Solar Inverter 3. Electricity grid

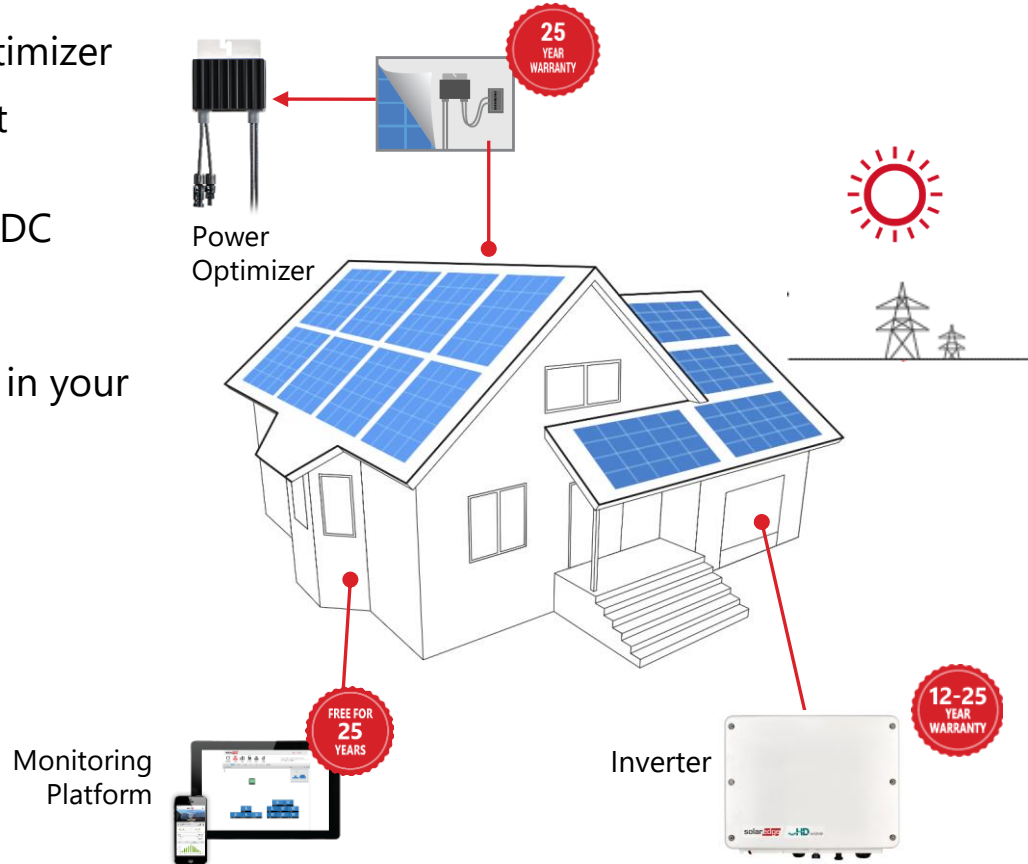


Why Solar?

Why SolarEdge ?

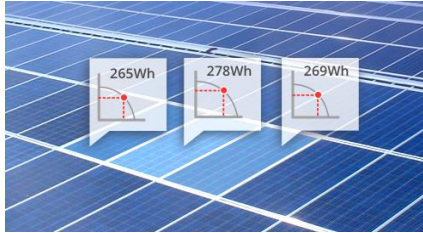
# The SolarEdge PV System

- Each module is connected to a power optimizer
- Power optimizers are electronic chips that optimise solar energy production
- The SolarEdge inverter only converts the DC power into grid compliant AC power
- The monitoring platform visualizes the performance of system and each module in your system



# SolarEdge Offers Four Key Benefits

## More Energy



Increased energy yield & faster return on investment through module-level MPPT

## Advanced Safety



Safety during installation, maintenance, firefighting, & other emergencies

## Lower O&M Costs



Full visibility of system performance & remote troubleshooting

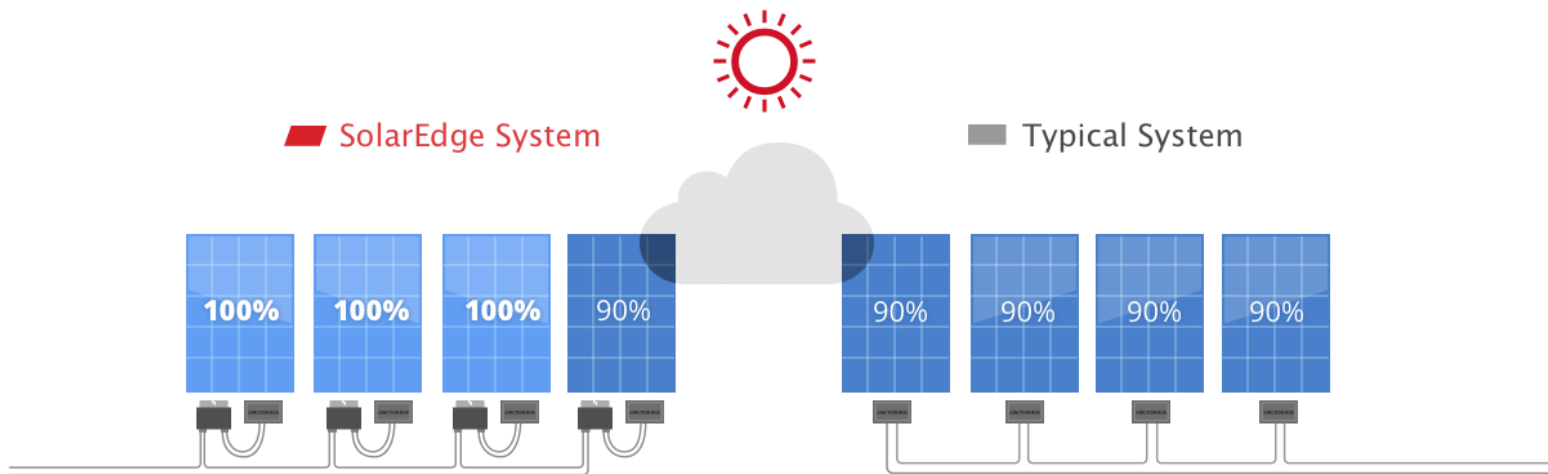
## Flexible Design and installation



Maximum space utilization with minimum design time

# More Energy = More Revenue

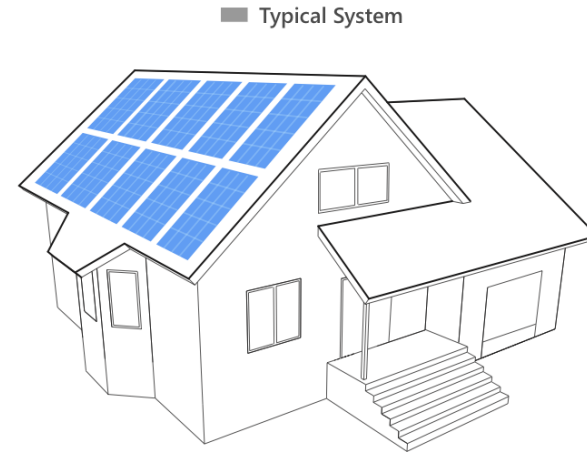
- ▀ In a PV system, each module has an individual maximum power point
- ▀ Traditional inverter — weakest module reduces the performance of all the modules
- ▀ SolarEdge — each module produces the maximum energy
  - ▀ The weakest module does not affect the performance of the rest of the system



# Sell More Modules - Flexible Layout

- Traditional inverter design:
  - South facing only
  - 10 modules – 4kWp

Total project: 10 modules

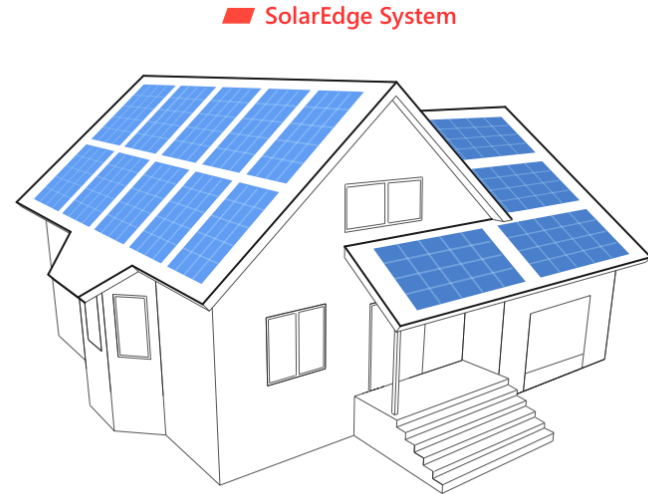


# Sell More Modules - Flexible Layout

- SolarEdge design:
  - Additional 4 modules are possible on east facing roof (same string)
  - Fully utilizing the roof capacity
  - 14 modules - 5.6kWp

Total project: 14 modules

+4 modules per project





# Safe Installation and Maintenance

## SolarEdge Advanced Safety features

- SafeDC™
- Integrated arc fault protection
- Sense connect



# SOLAREEDGE FEATURES THAT REDUCE FIRE & ARC RISKS

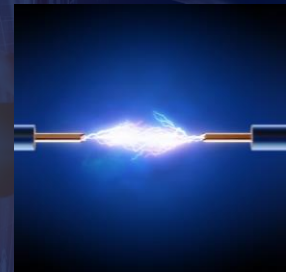
SafeDC™



Sense Connect

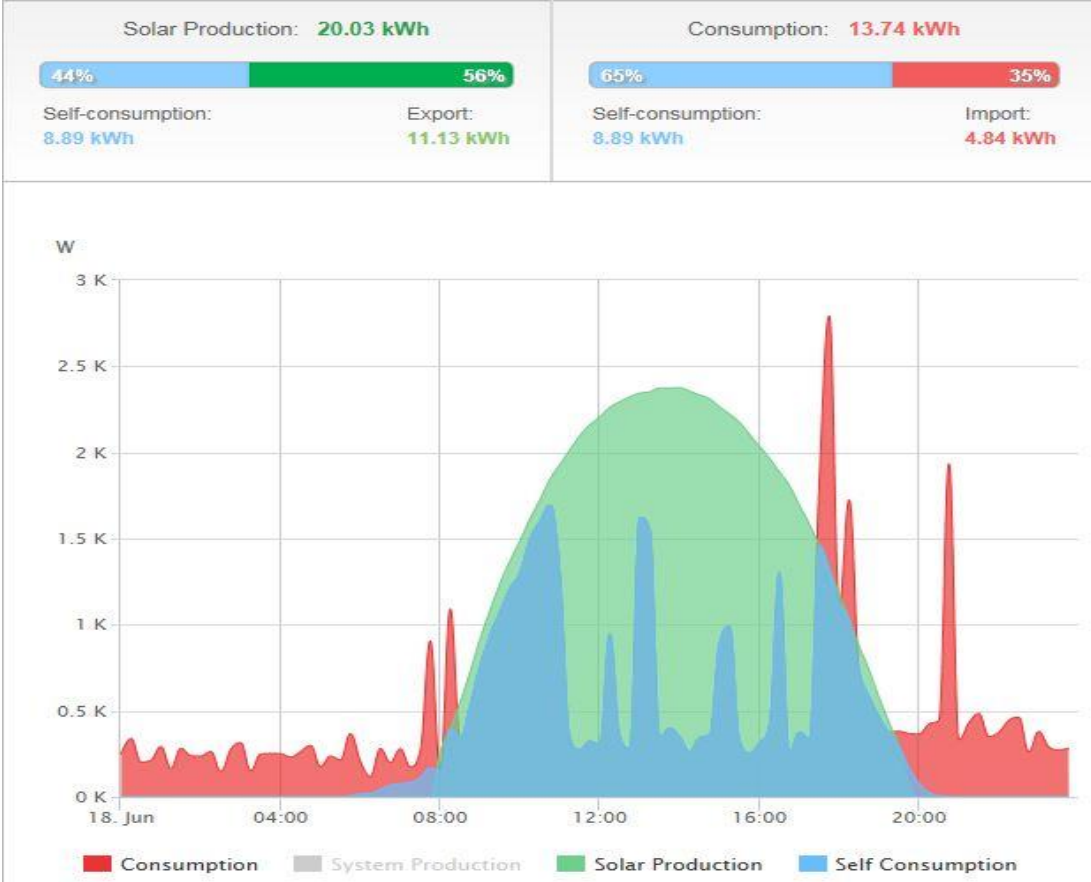


Arc Fault Current Interrupter

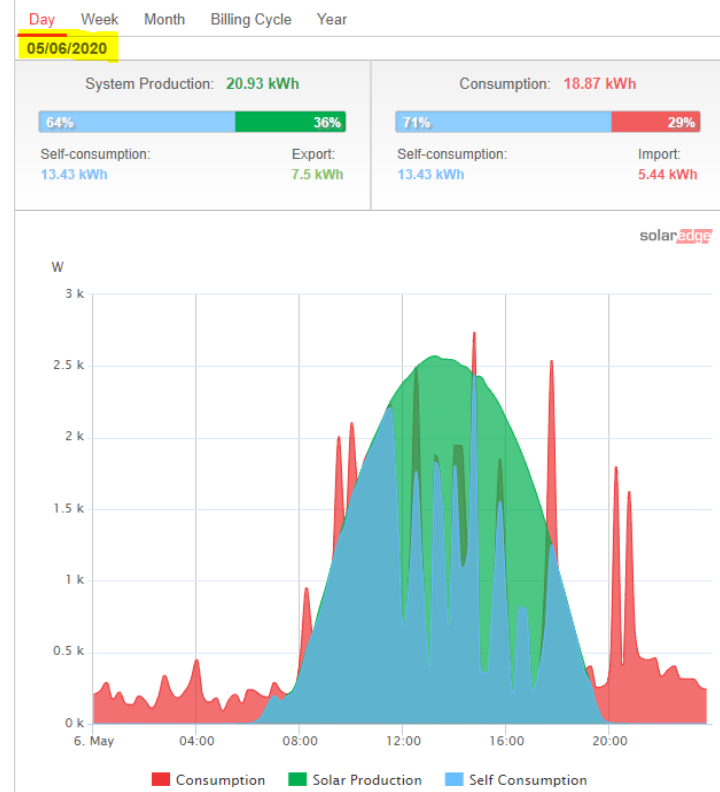
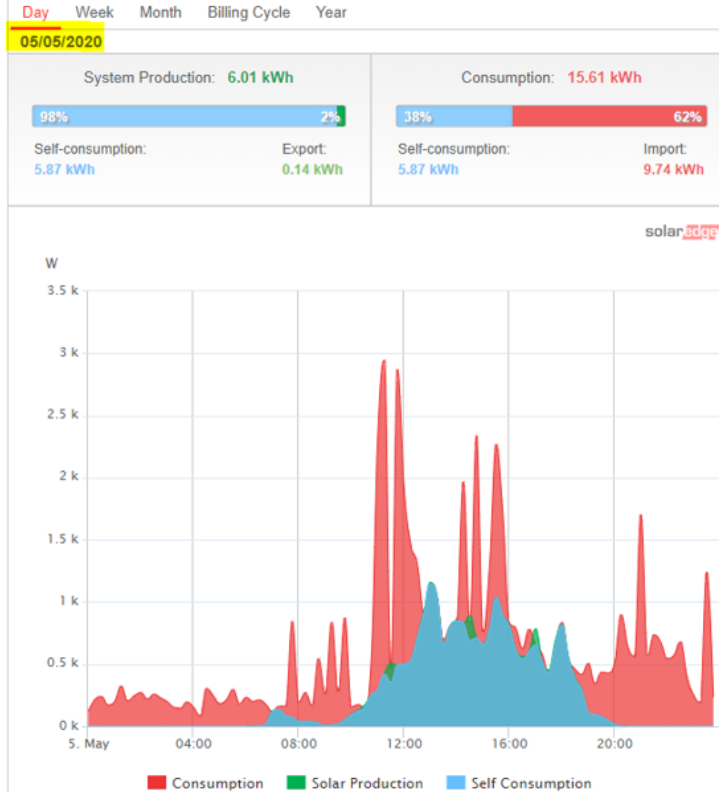


LINK - SolarEdge is setting new benchmarks for PV  
safety

# Daily output



# May 2020



# MYSOLAREEDGE APP

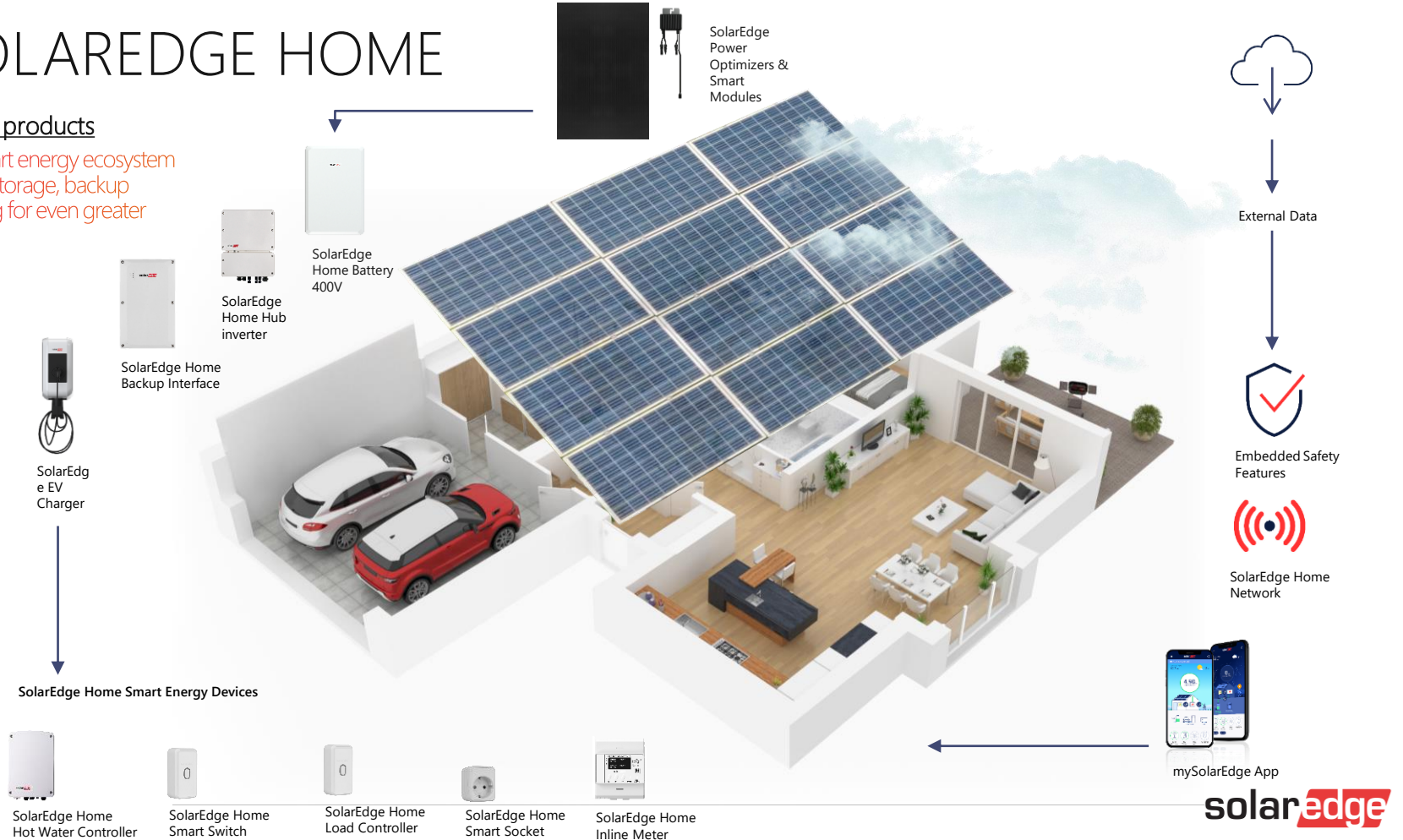
- See in live time PV performance and usage of property.
- Understand the energy patterns of a property
- Monitors system performance, anytime, anywhere
- Controls smart energy home devices on-the-go
- Configures inverter communications and status for quick and easy troubleshooting
- Provides quick access to SolarEdge support
- Quick resolution for service issues:
  - Saves time on unnecessary visits by the installer



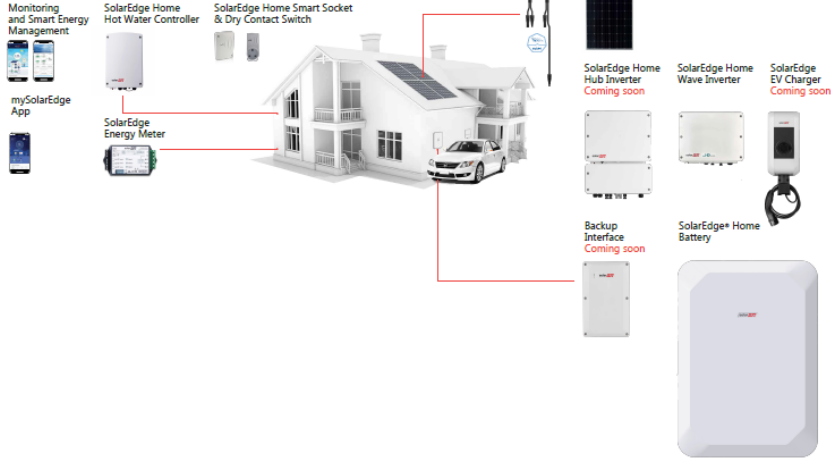
# SOLAREGE HOME

## Single phase products

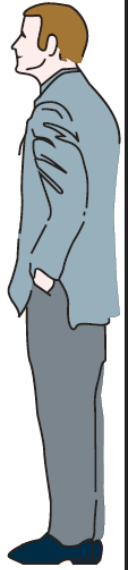
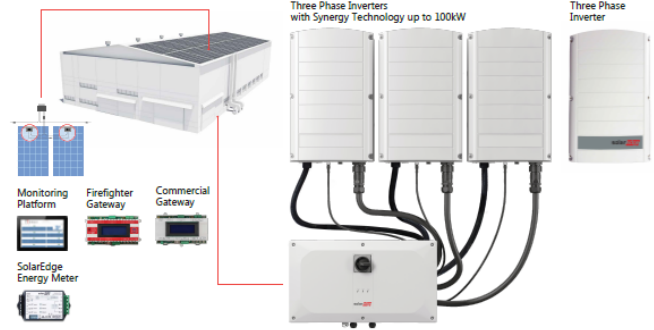
A complete smart energy ecosystem combining PV, storage, backup and EV charging for even greater customer value.



### SolarEdge Home Smart Energy Living



### SolarEdge Commercial Solution More Power. More Safety. More Revenue.



230 cm