



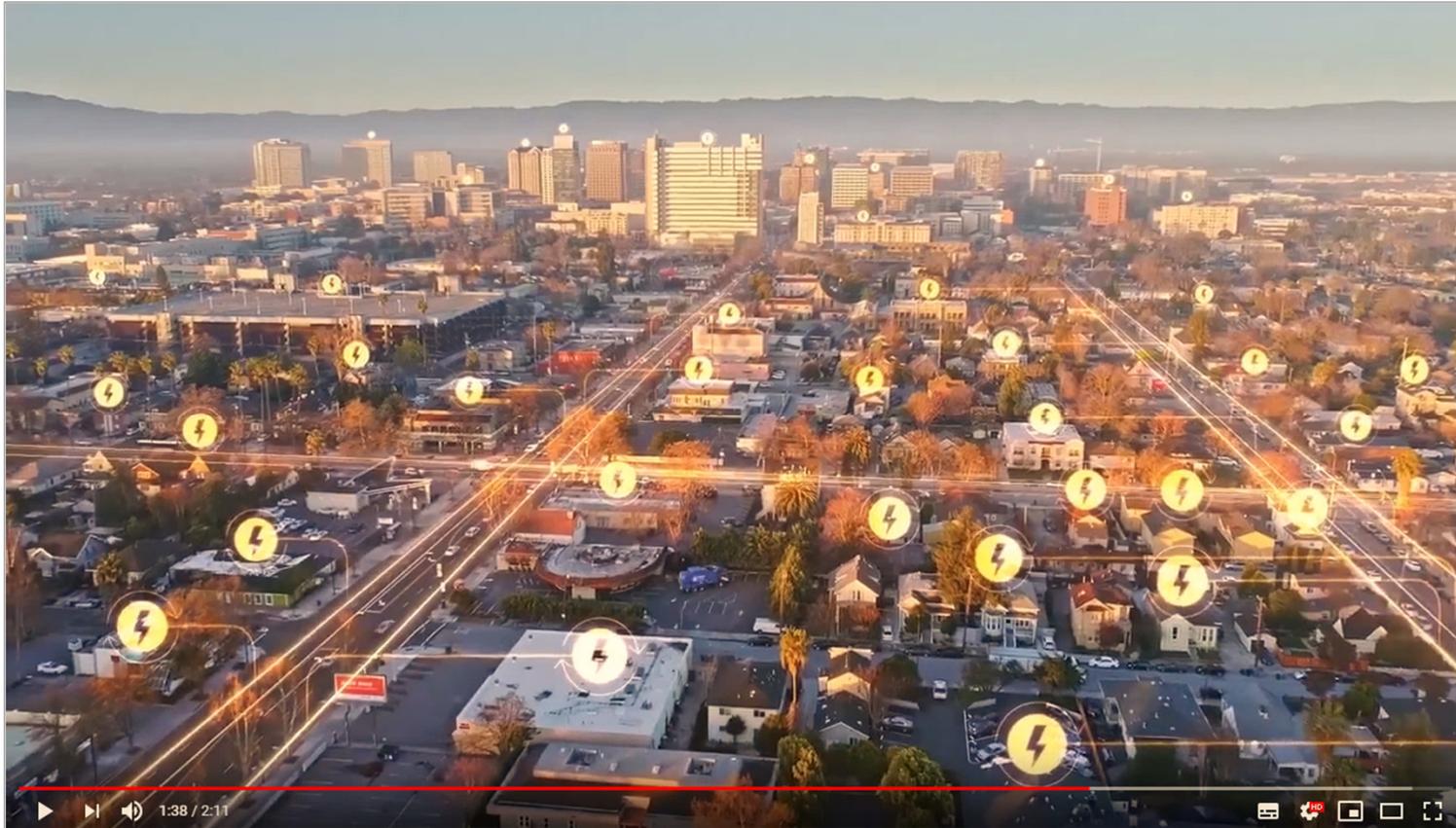
# SolarEdge Company Overview



# Introduction to SolarEdge

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# Meet SolarEdge



# SolarEdge in Numbers

**94.9M**

Power Optimizers  
shipped



**#1**



Solar  
inverter  
company

**424** awarded  
patents and **425**  
additional patent  
applications

**34**

Countries  
presence

**>2.75M**

Monitored systems  
around the world

**\$727.6M**

Q2 2022 revenue

**~4,360**

employees



**4.0M**

Inverters  
shipped



**34.2GW**

of our systems  
shipped worldwide

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# Established Global Reach

- Over 49,000 installers  
(based on the number of installer accounts on our monitoring portal)
- Presence in 34 countries
- Regional service centers
- Systems installed in 133 countries



# R&D and Manufacturing Capabilities



## R&D Centers

- // Israel
- // Bulgaria
- // California, USA
- // Korea
- // Italy

## Manufacturing Facilities

- // China
- // Vietnam
- // Hungary
- // Korea
- // Israel
- // Mexico
- // Italy

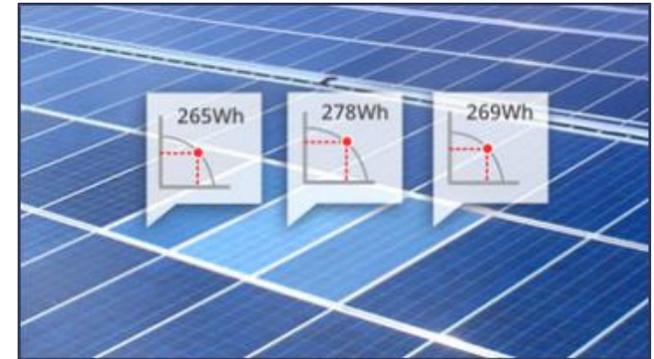


# The SolarEdge Solution

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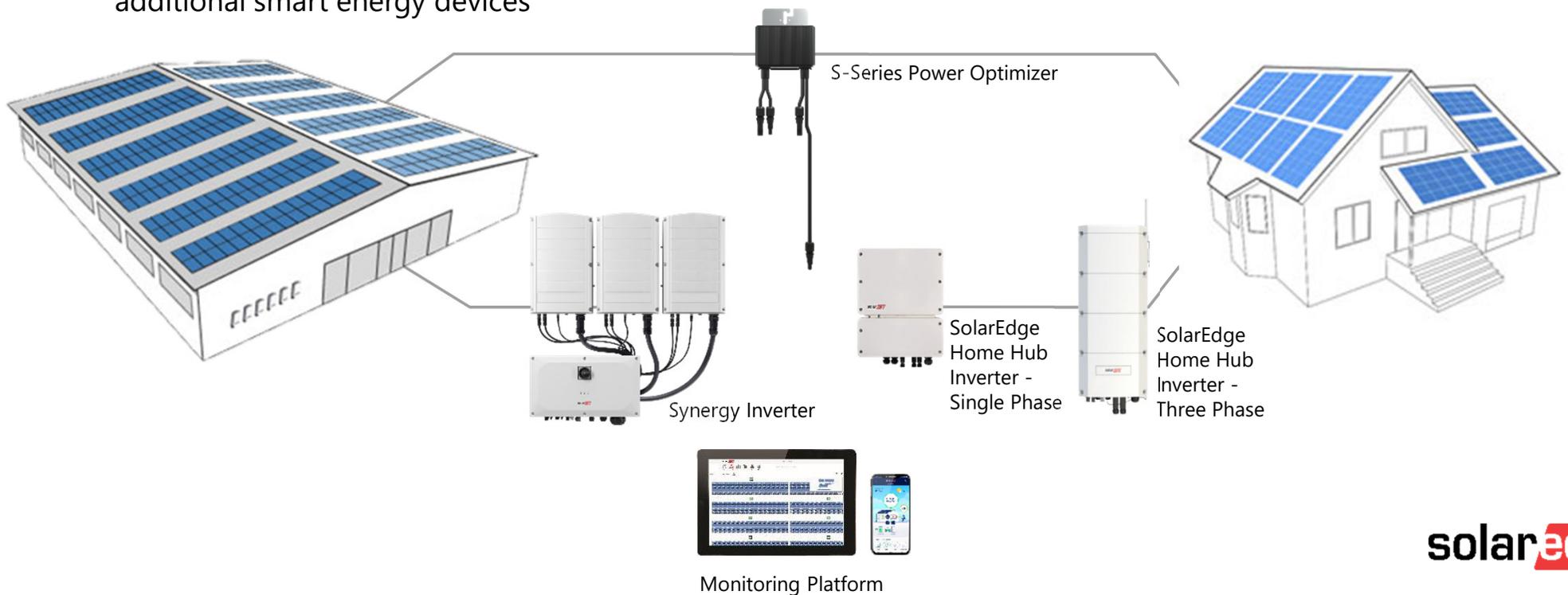
# Traditional Inverters - Limitations

- Energy loss
  - Traditional string inverters find the point of maximum power output at the string level, not at individual module level
  - This prevents modules from reaching their maximum production potential
- Limited design flexibility
  - String design restrictions significantly limits system layout and size
- Low resolution monitoring
  - No data on module performance
- Safety hazards
  - High voltages at the module level even when inverter or AC power is off



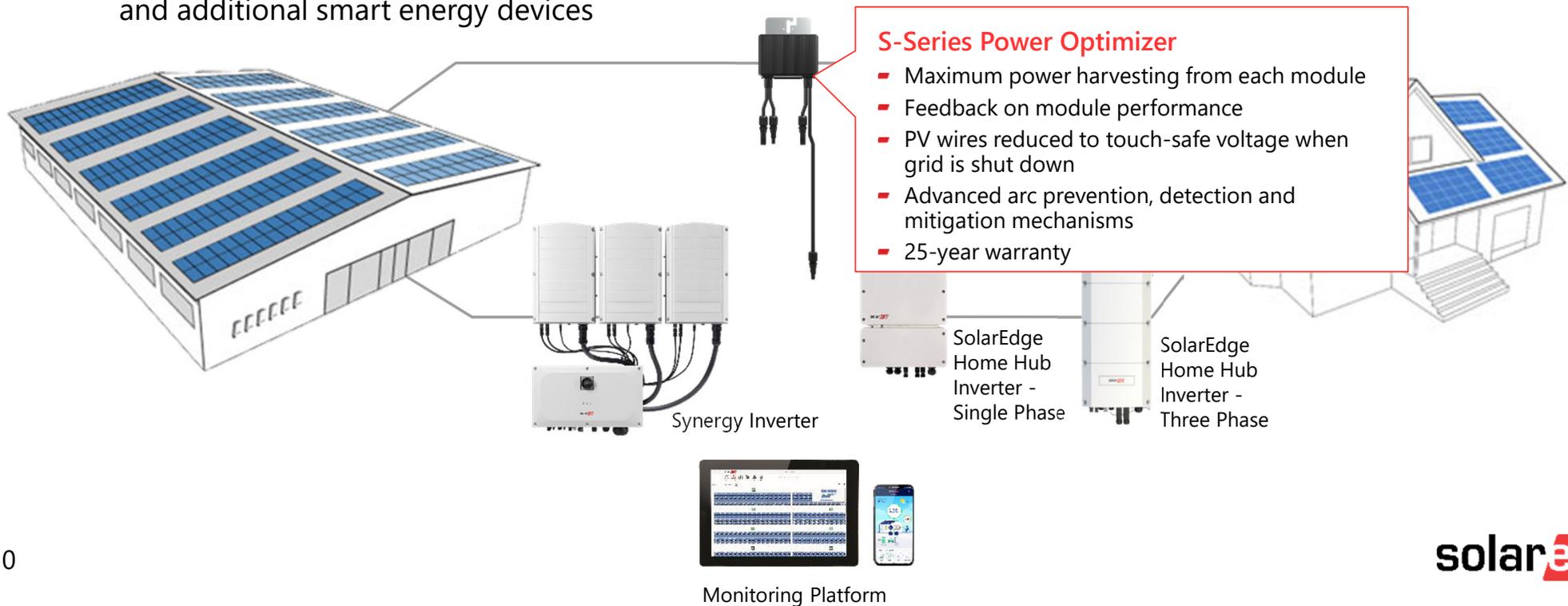
# The SolarEdge Solution

- Splits the traditional inverter functionality into two:
  - The Power Optimizer that maximizes energy production for each module
  - An innovative inverter responsible for DC-AC inversion and grid management. For residential applications, this inverter includes the SolarEdge Energy Operating System that manages the battery, backup power, EV charging, and additional smart energy devices



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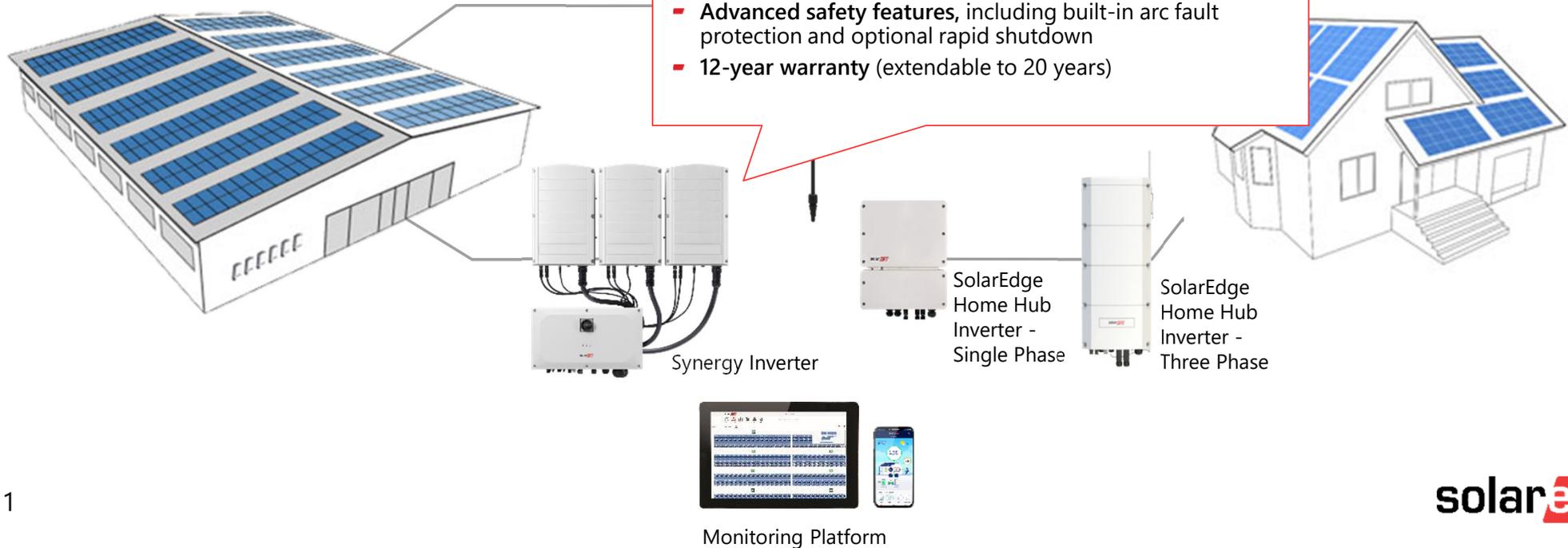
■ Splits the traditional inverter functionality into two:

- The Power Optimizer that maximizes energy harvest
- An innovative inverter responsible for DC to AC conversion. This inverter includes the SolarEdge Energy Optimizer and additional smart energy devices

## Three Phase Inverter with Synergy Technology, up to 120kW

- Simple 2-person installation with lightweight, modular system design
- Innovative pre-commissioning feature to easily validate each stage of the install process directly from a mobile device
- Built-in PID mitigation for maximized system performance
- Advanced safety features, including built-in arc fault protection and optional rapid shutdown
- 12-year warranty (extendable to 20 years)

For residential applications, this system provides power, EV charging,



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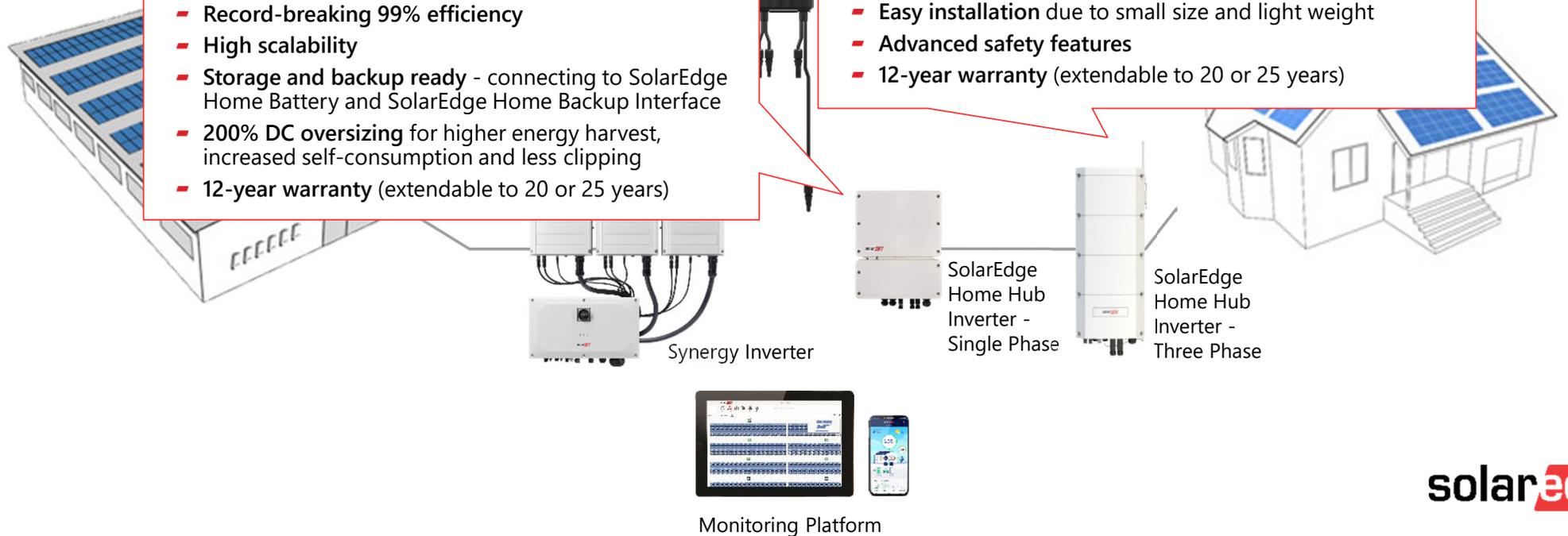
- An innovative inverter responsible for DC-AC inversion. This inverter includes the SolarEdge Energy Operating System and provides advanced safety features. For example, this

## SolarEdge Home Hub Inverter - Single Phase

- Record-breaking 99% efficiency
- High scalability
- Storage and backup ready - connecting to SolarEdge Home Battery and SolarEdge Home Backup Interface
- 200% DC oversizing for higher energy harvest, increased self-consumption and less clipping
- 12-year warranty (extendable to 20 or 25 years)

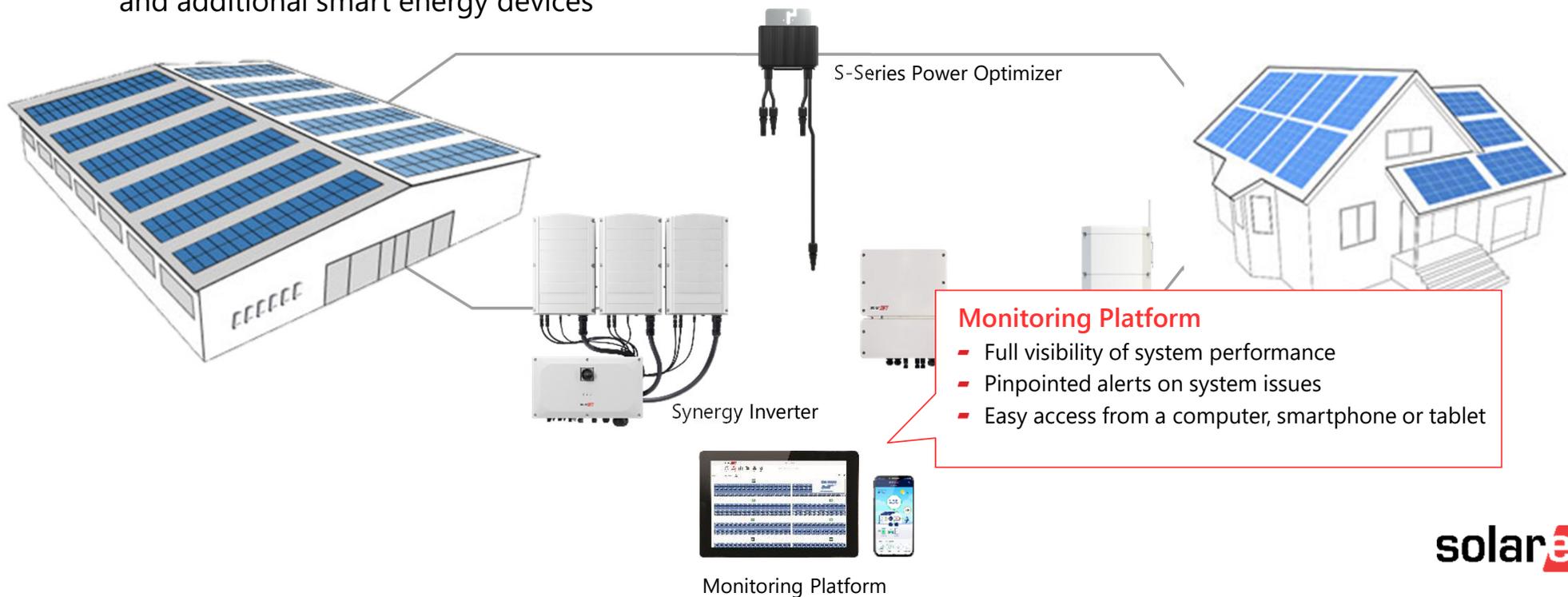
## SolarEdge Home Hub Inverter - Three Phase

- More energy using DC-coupled solution architecture
- Storage and backup ready - connecting to SolarEdge Home Battery and SolarEdge Home Backup Interface
- Easy installation due to small size and light weight
- Advanced safety features
- 12-year warranty (extendable to 20 or 25 years)

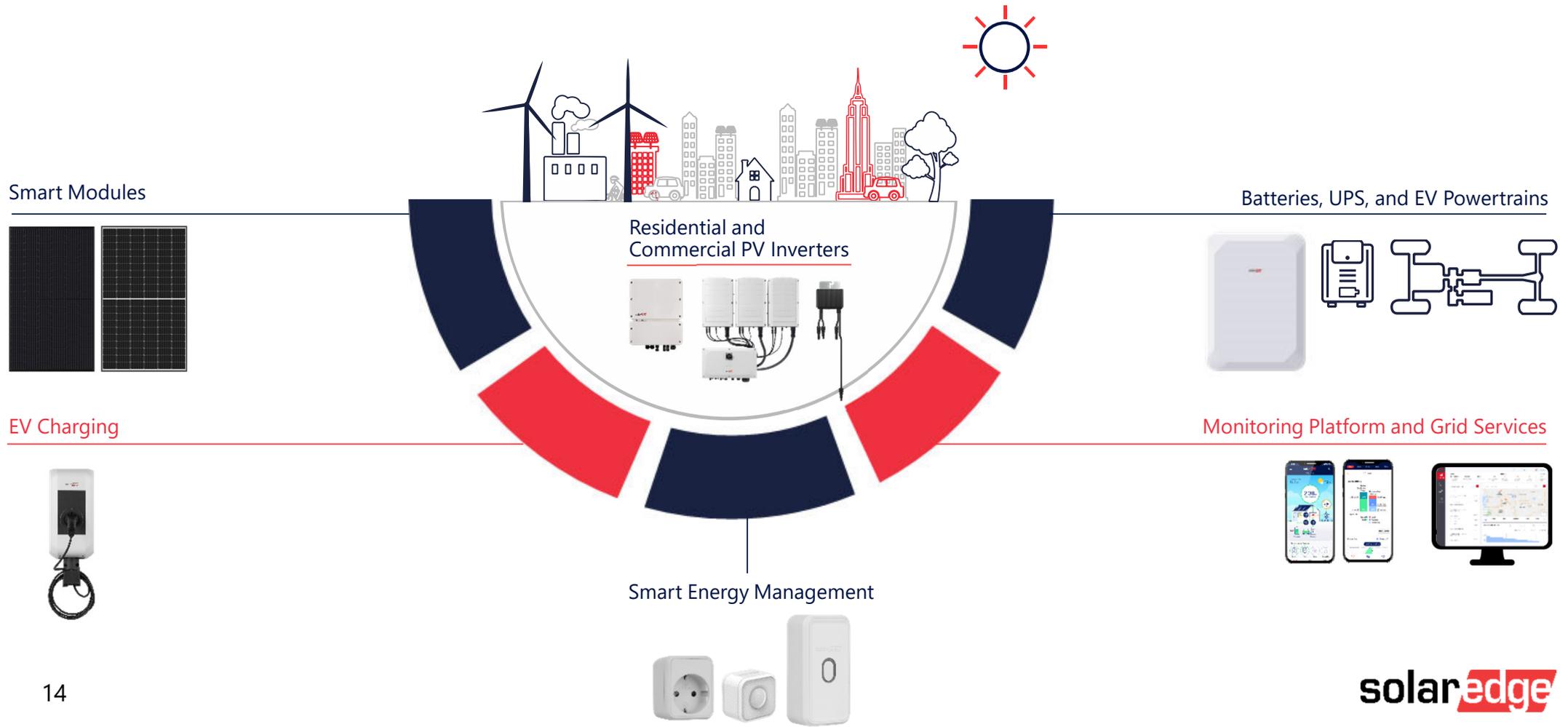


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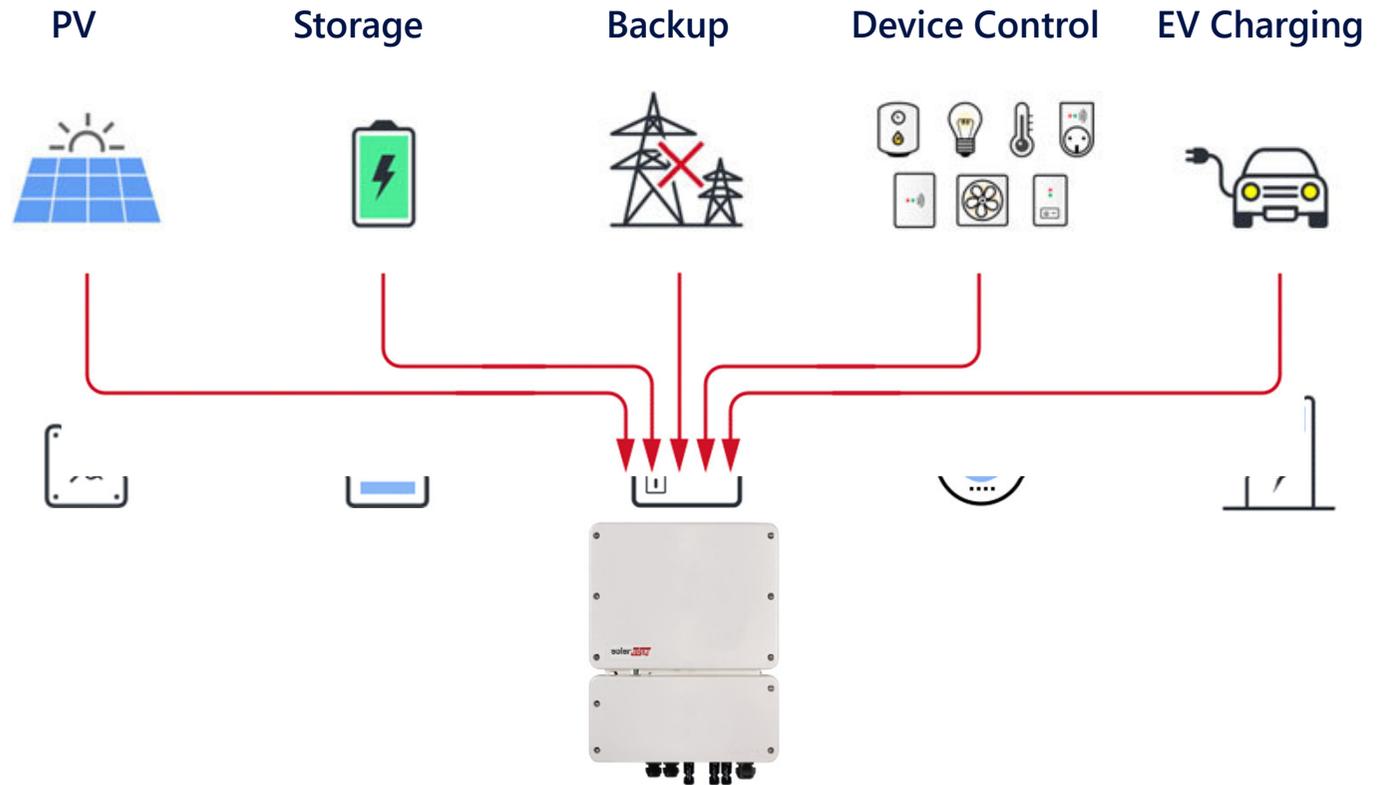
# One-Stop-Shop for Smart Energy Solutions



# One Inverter for All Applications

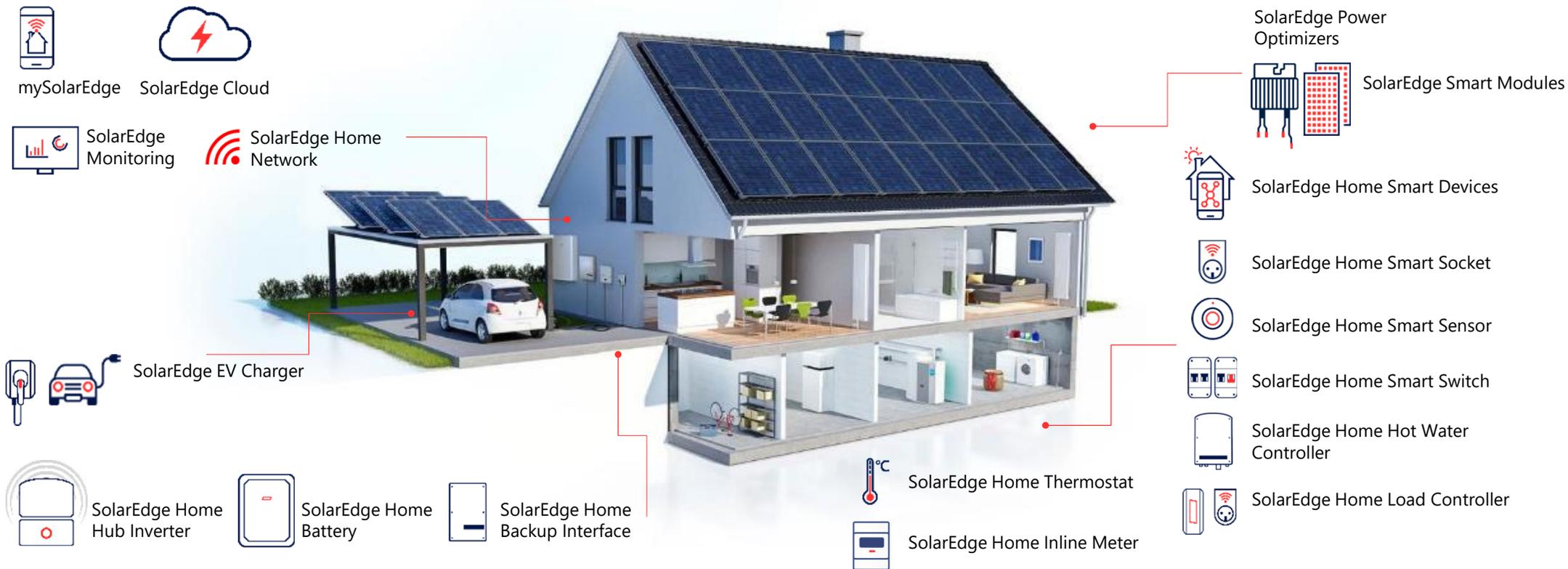
Combine energy management of all applications into one smart inverter

- Simple design
- Fast installation
- Cost effective
- Centralized energy management
- Designed to work together; seamless and synchronized



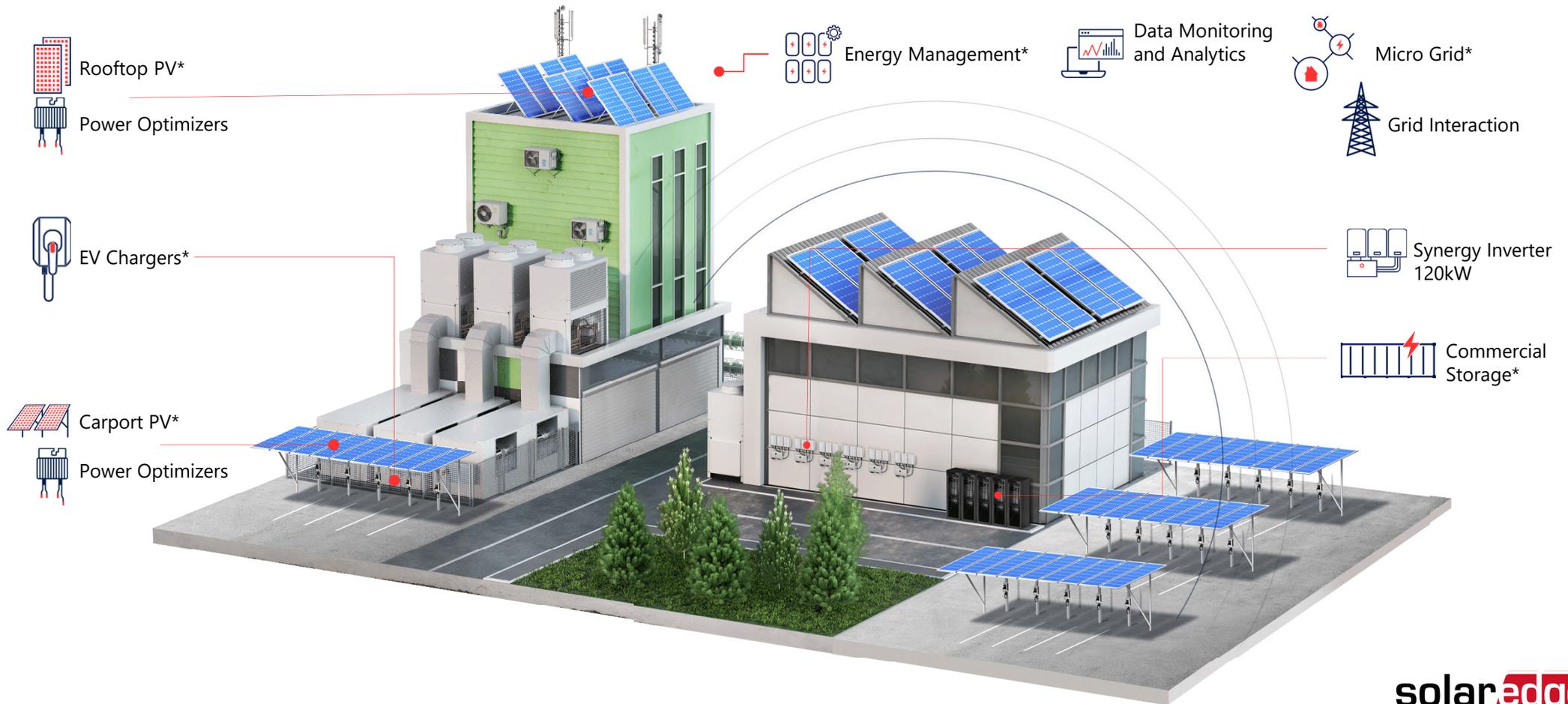
# SolarEdge Home – Complete Residential Solution

■ A single solution for PV, storage, smart energy management, and EV charging



Note: Some of the products shown are under development

# SolarEdge Commercial Solution

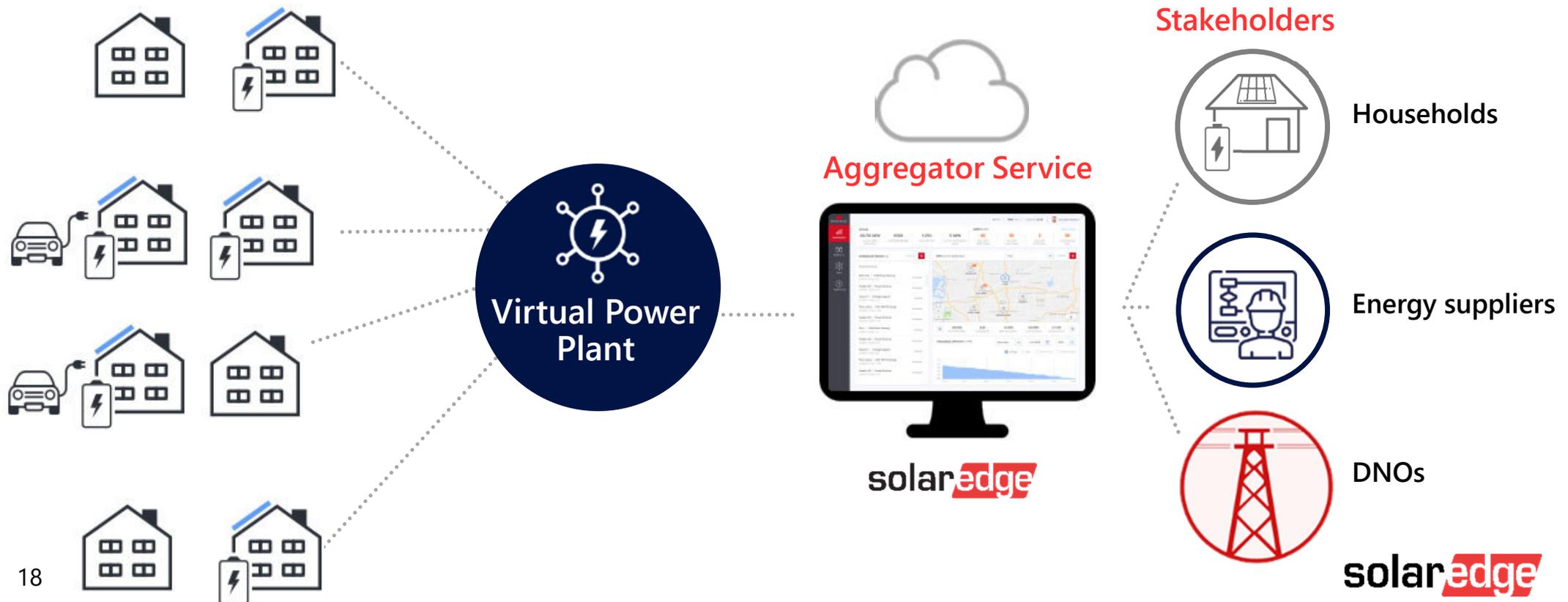


\*Products or solutions owned by partners

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# Grid Capacity Services

- Pooling PV, storage, and EV in the cloud enables new grid services & revenue streams for all involved stakeholders



# SolarEdge Offers Four Key Benefits

## More Energy



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

## Lower O&M Costs



Full visibility of system performance & remote troubleshooting

## Enhanced Safety



Safety during installation, maintenance, firefighting, & other emergencies

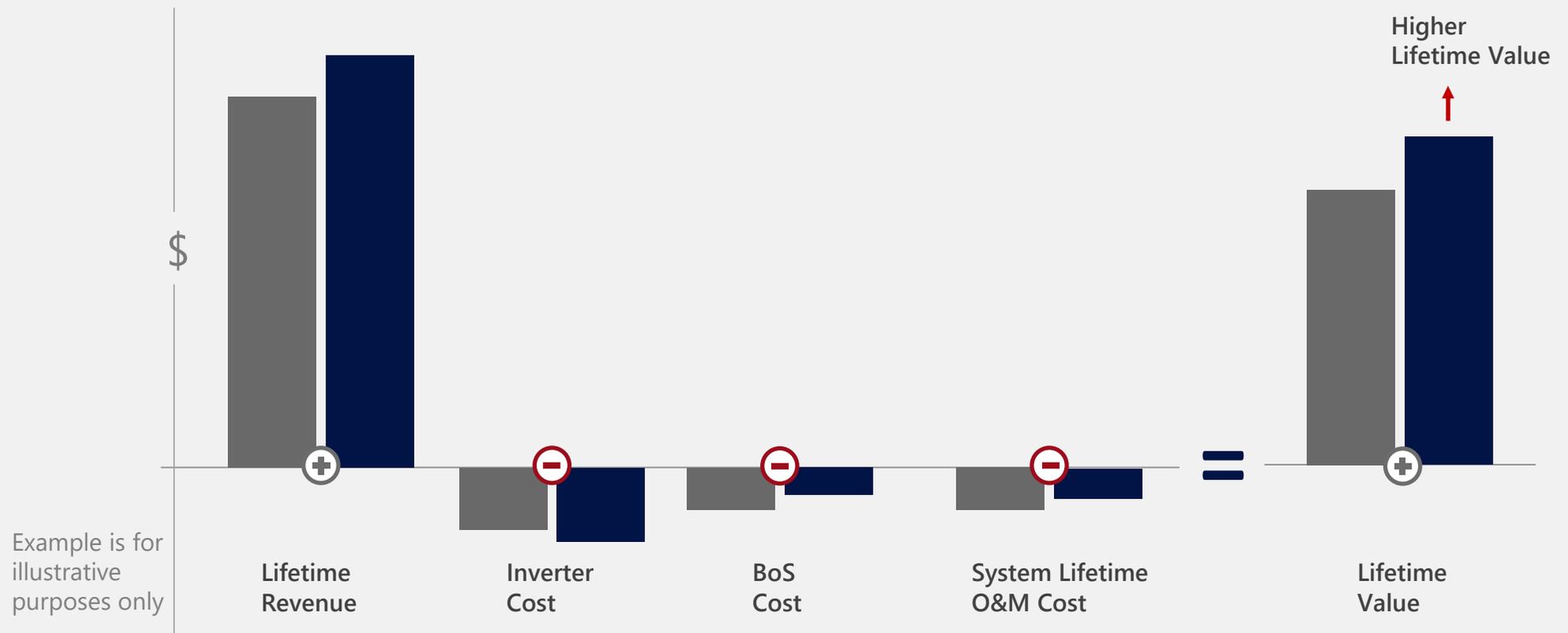
## Flexible Design



Maximum space utilization with minimum design time

# Superior Customer Value

- Higher lifetime value by maximizing yield and reducing BoS and system lifetime O&M costs

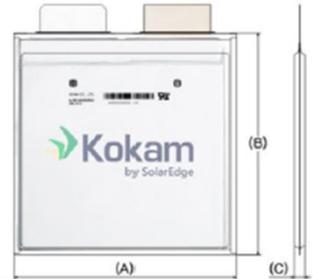




# Moving Beyond PV

# Energy Storage Solutions

Innovative cell technology and owned manufacturing drive product differentiation and capacity benefits

		
<p><b>Cell Technology</b> Proprietary cell technology</p>	<p><b>Cell Manufacturing</b> Owned cell manufacturing</p>	<p><b>Complete Storage Products</b> Solar attached &amp; Non-Solar attached</p>

\*Goldman Sachs Equity Research, Stem Inc., May 23, 2021  
\*\*Wood Mackenzie, Global Energy Storage Outlook: H2 2020

# eMobility Solutions

- Integrated powertrain technology and electronics for LCVs, LGVs, e-motorcycles
- High-performing powertrains with the gearbox, engine, battery, BMS, software, and accessories
- Provides SolarEdge access to the high-growth global EV market
- Selected as supplier of electric powertrain units and batteries for Fiat E-Ducato (Stellantis)





# More About SolarEdge

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# Sustainability Strategy



## Our social purpose:

To power the future of energy so we can all enjoy better living and a cleaner, greener future.



## Our social mission:

Shaping the future of sustainable energy production, energy storage and e-mobility through innovation.

## Sustainable Impact Goals



### Powering Clean Energy

- Accelerate affordable clean energy
- Deliver smart energy solutions
- Product innovation
- Deliver sustainable products



### Powering People

- Be a responsible employer
- Protect human rights
- Invest in communities



### Powering Business

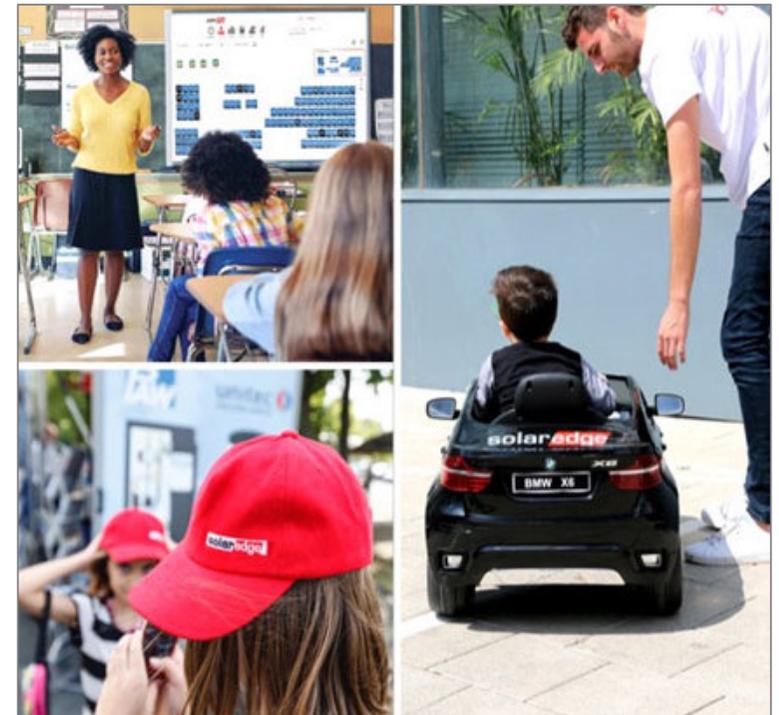
- Ethical and compliant conduct
- Climate resilience
- Resource efficiency
- Ethical sourcing



# Sustainable Impact Goals

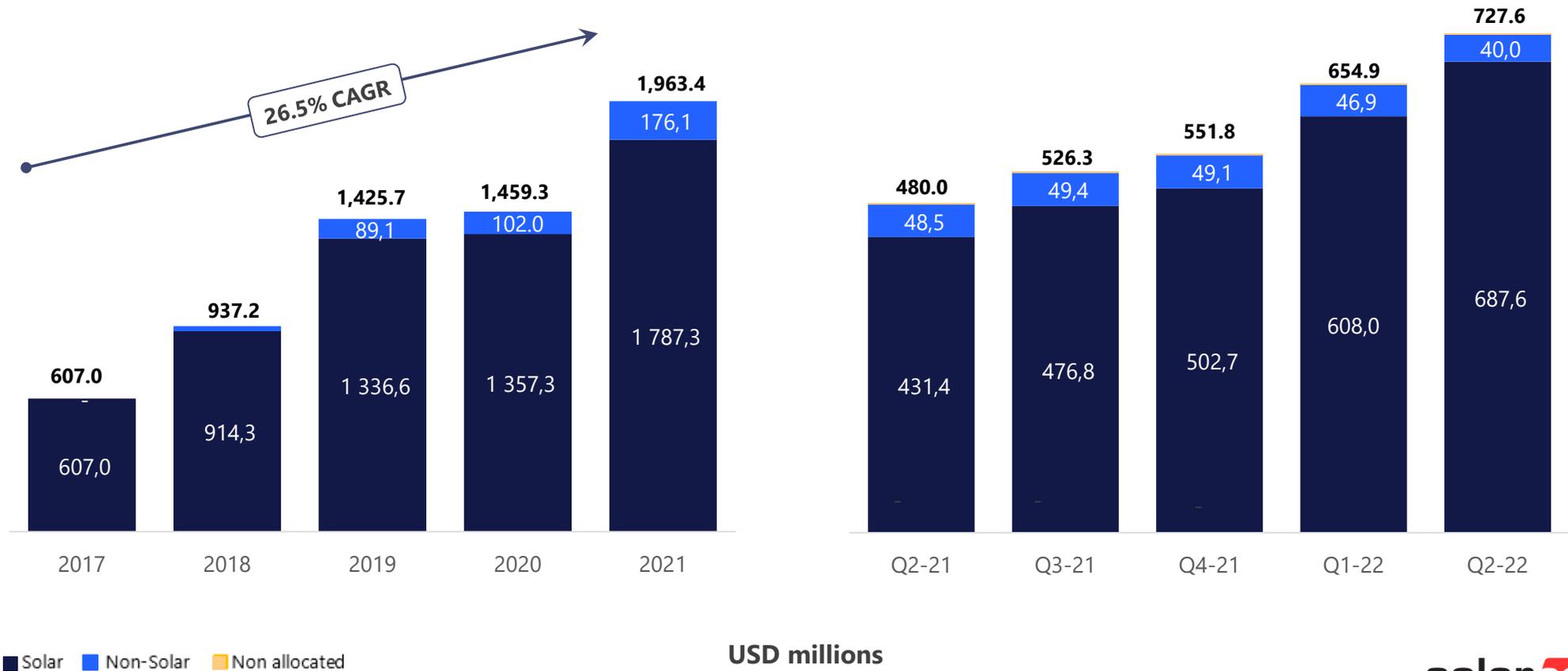
To support our progress and anchor our commitments to our stakeholders, we commit to 15 different targets for 2025, including:

- Reach 2.5 million homes and generate 30,000 GWh renewable energy by our customers using SolarEdge systems
- Invest in innovation that support the transition to renewable energy use
- Continue to increase investment in training opportunities and promote gender parity and equal pay
- Implement human rights pre-screening and trainings for suppliers
- Establish a global signature community program with measurable community impact
- Enhance compliance and global training for Code of Conduct for Privacy, Intellectual Property, and Information Security
- Work towards 30% reduction in greenhouse gas (GHG) emissions per \$million revenue
- Achieve near-zero e-waste to landfill



[https://www.solaredge.com/sites/default/files/annual\\_sustainability\\_report.pdf](https://www.solaredge.com/sites/default/files/annual_sustainability_report.pdf)

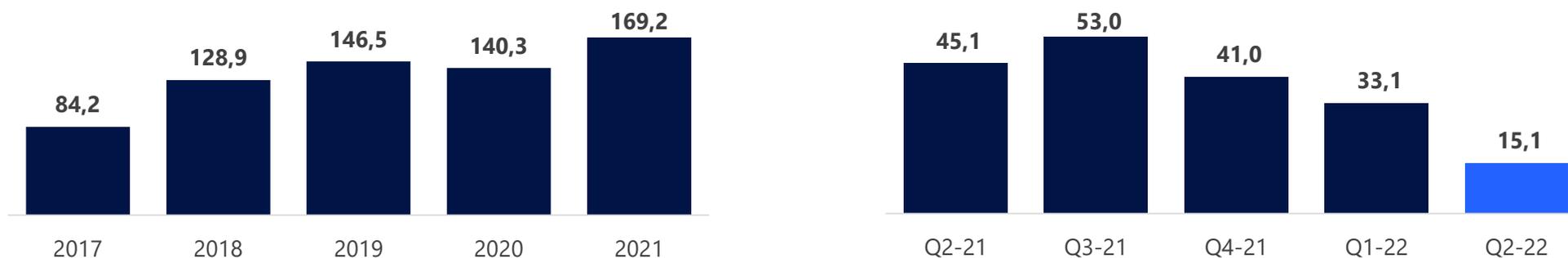
# Revenues Growth by Segments (\*)



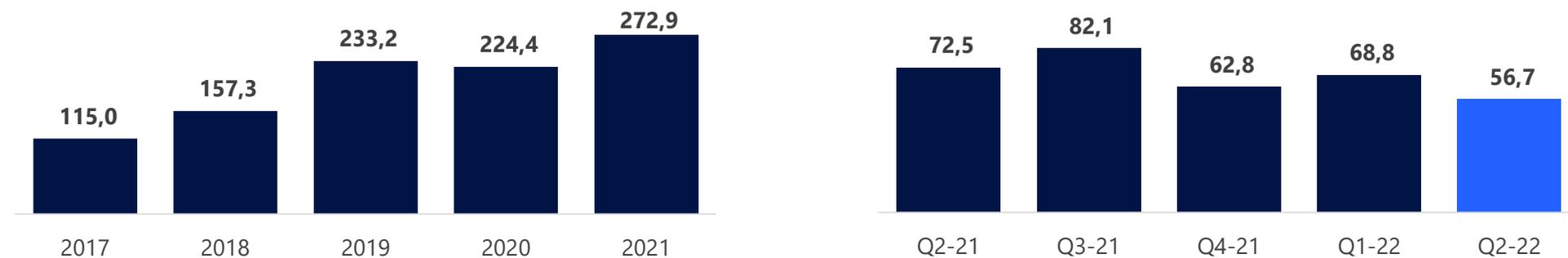
(\*)GAAP Revenues are \$727.8 millions and include ASC606 items excluded from numbers presented above

# Consolidated Net Profitability

## GAAP



## Non-GAAP



USD millions

# SolarEdge in Summary

■ Best of both worlds architecture allows:

- ✓ Maximum energy yield
- ✓ Design flexibility for reduced BOS costs and larger system installation
- ✓ Lower O&M cost & higher system up-time
- ✓ Enhanced safety solutions

- Strong and stable finances, approved by many banks and financial institutions worldwide
- Products designed for reliability, with high-quality manufacturing for long-term warranties
- Worldwide technical support and pre/post sales services
- Innovative company with strong product portfolio and roadmap

# Thank You!

## Cautionary Note Regarding Market Data & Industry Forecasts

This power point presentation contains market data and industry forecasts from certain third-party sources. This information is based on industry surveys and the preparer's expertise in the industry and there can be no assurance that any such market data is accurate or that any such industry forecasts will be achieved. Although we have not independently verified the accuracy of such market data and industry forecasts, we believe that the market data is reliable and that the industry forecasts are reasonable.

Version #: V.1.0  
Version #: 08/2022/EN ROW

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