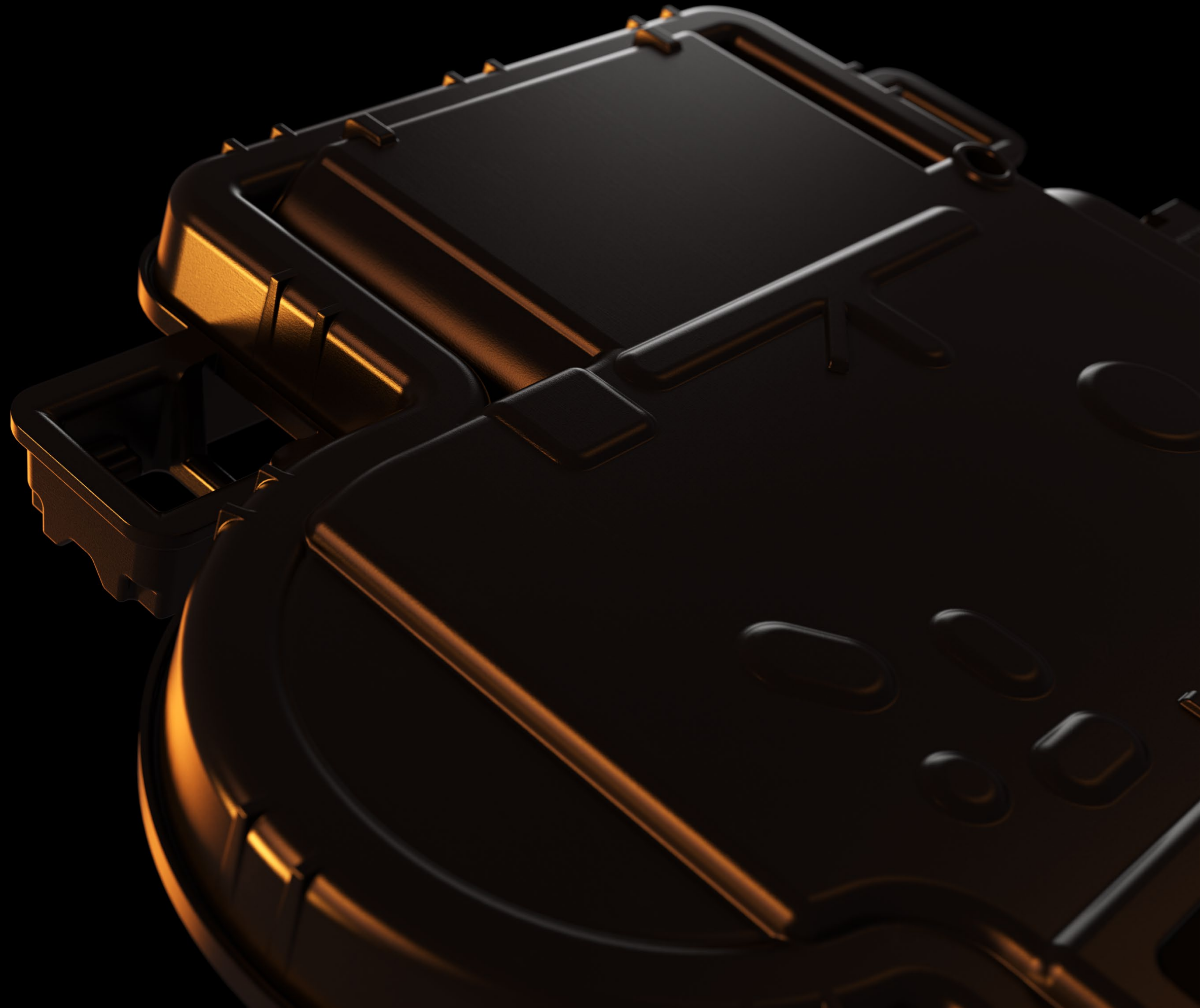


IQ8 Series Microinverters

Our most powerful microinverters yet.

IQ8P Microinverter

Supports the latest generation high output PV modules.



IQ8 Series Microinverters

- ✓ **Compatible with latest generation high output PV modules**

 - Supports latest higher output PV modules to limit clipping

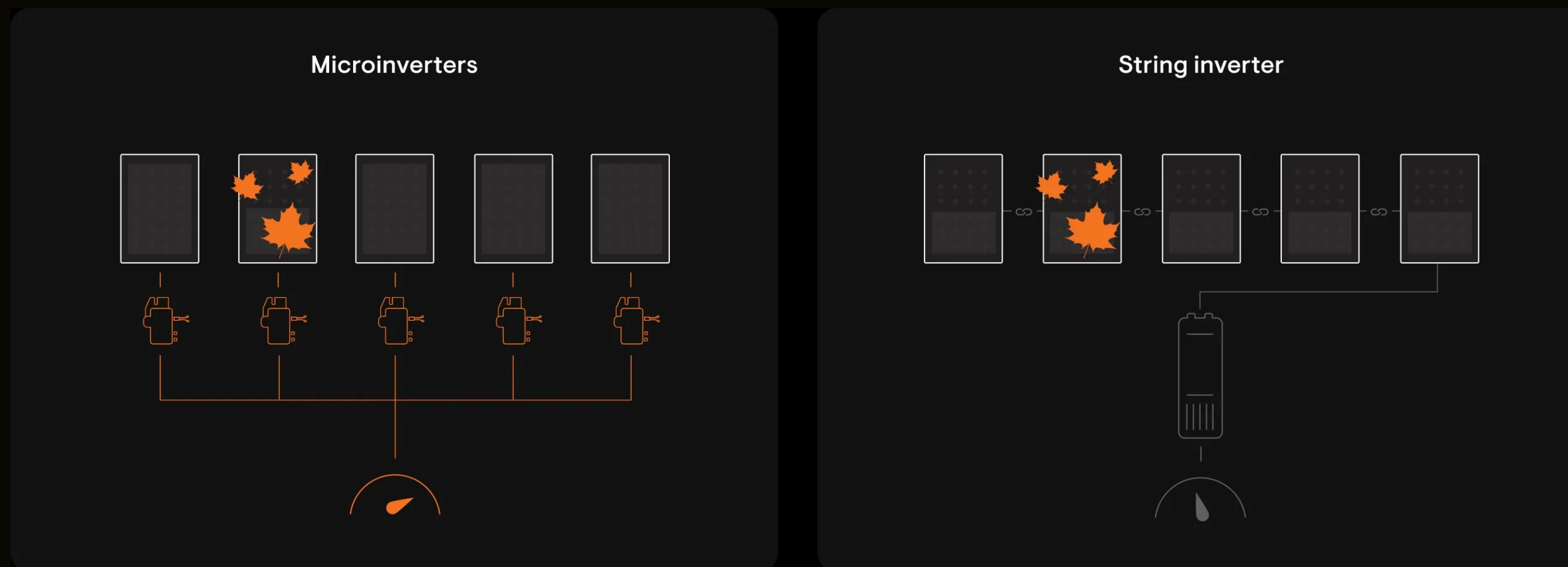
 - Supports modules with higher output current

 - Compatible with common PV module powers and cell architectures

**Our most powerful
microinverters yet.**

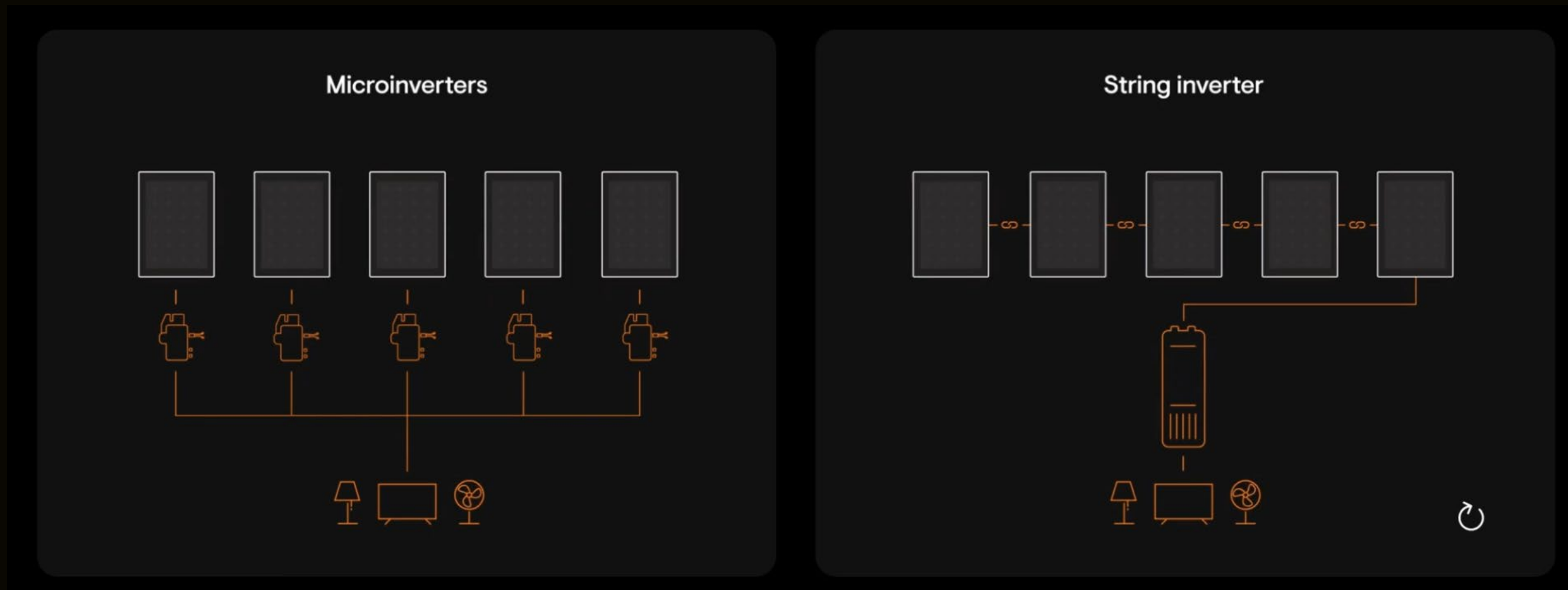
Maximum power per module

Whether it's leaves, dirt, snow, or cloudy days—obstructions happen. With IQ Microinverters, each solar panel operates independently while string inverter systems limit their production to the weakest module.



No single point of failure

If a system with a string inverter fails, solar production will stop completely. With one microinverter per module, solar production keeps working even if a microinverter fails.



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- Supports modules with higher output current

- Compatible with common PV module powers and cell architectures

- ✓ **Easy to install and commission**

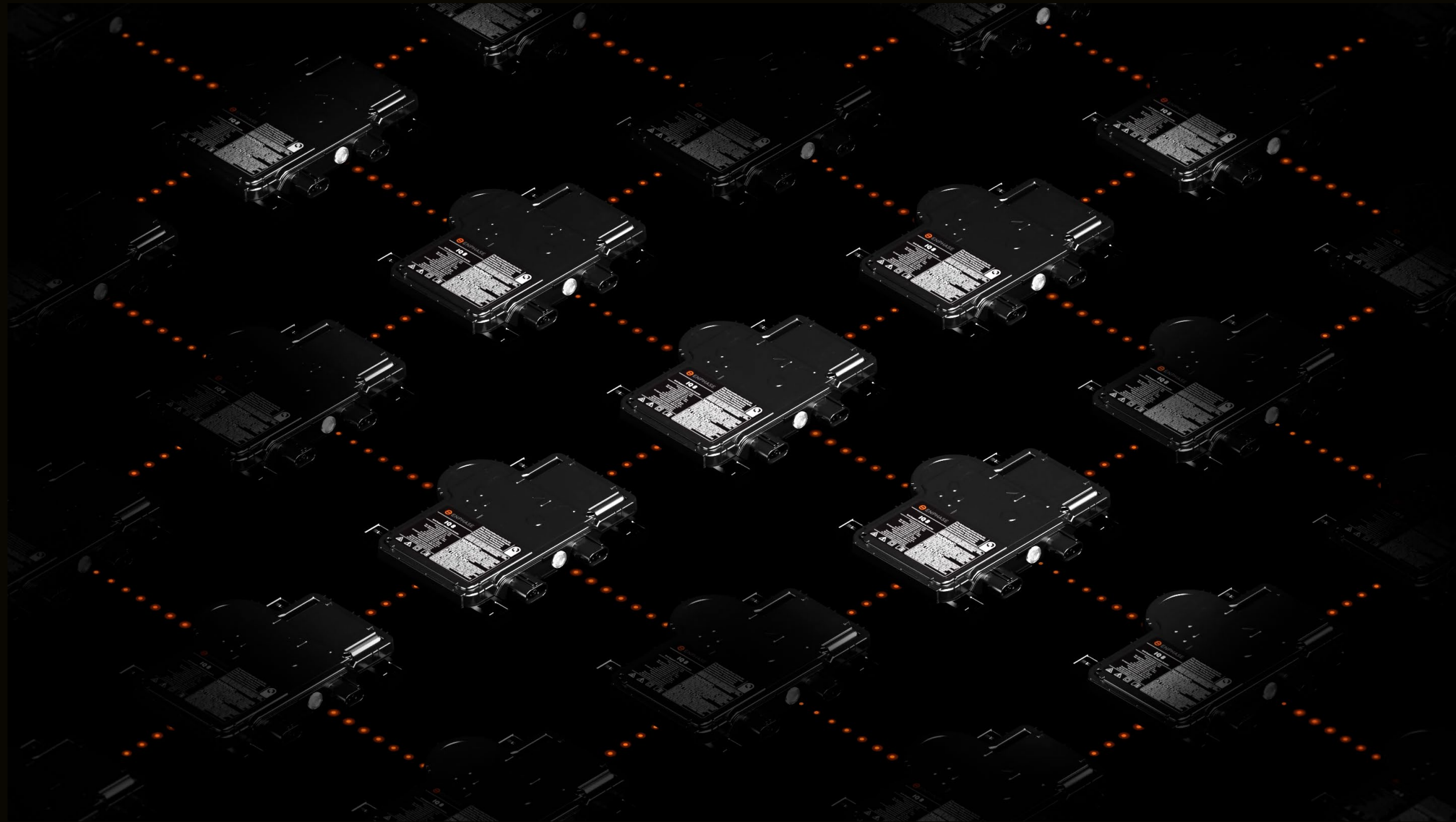
- Lightweight and compact with DC input connectors for easy installation

- Fast installation with simple AC cabling

- New integrated circuit technology enables faster firmware upgrades

Ready for today and tomorrow

Enphase Energy Systems are based on a distributed architecture. This modular microinverter design means you can easily expand a system as home energy needs grow.



Better over time

Get over-the-air software updates that bring innovative new features to your solar system and the Enphase App.



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 - Supports modules with higher output current
 - Compatible with common PV module powers and cell architectures
- ✓ **Easy to install and commission**
 - Lightweight and compact with DC input connectors for easy installation
 - Fast installation with simple AC cabling
 - New integrated circuit technology enables faster firmware upgrades
- ✓ **High energy production, reliability, and safety**
 - More than 1 million power-on hours of reliability testing
 - Patented Burst Mode technology provides increased energy production
 - Low-voltage DC and rapid shutdown for the ultimate fire safety

A bright idea, even in low light

If shadows or clouds pass overhead, IQ Microinverters use breakthrough **Burst Mode** technology to capture more energy in low-light conditions.





Safety First

IQ Microinverters are inherently safer because they operate at the same low-voltage AC power as your home. Our systems never contain high-voltage DC power.

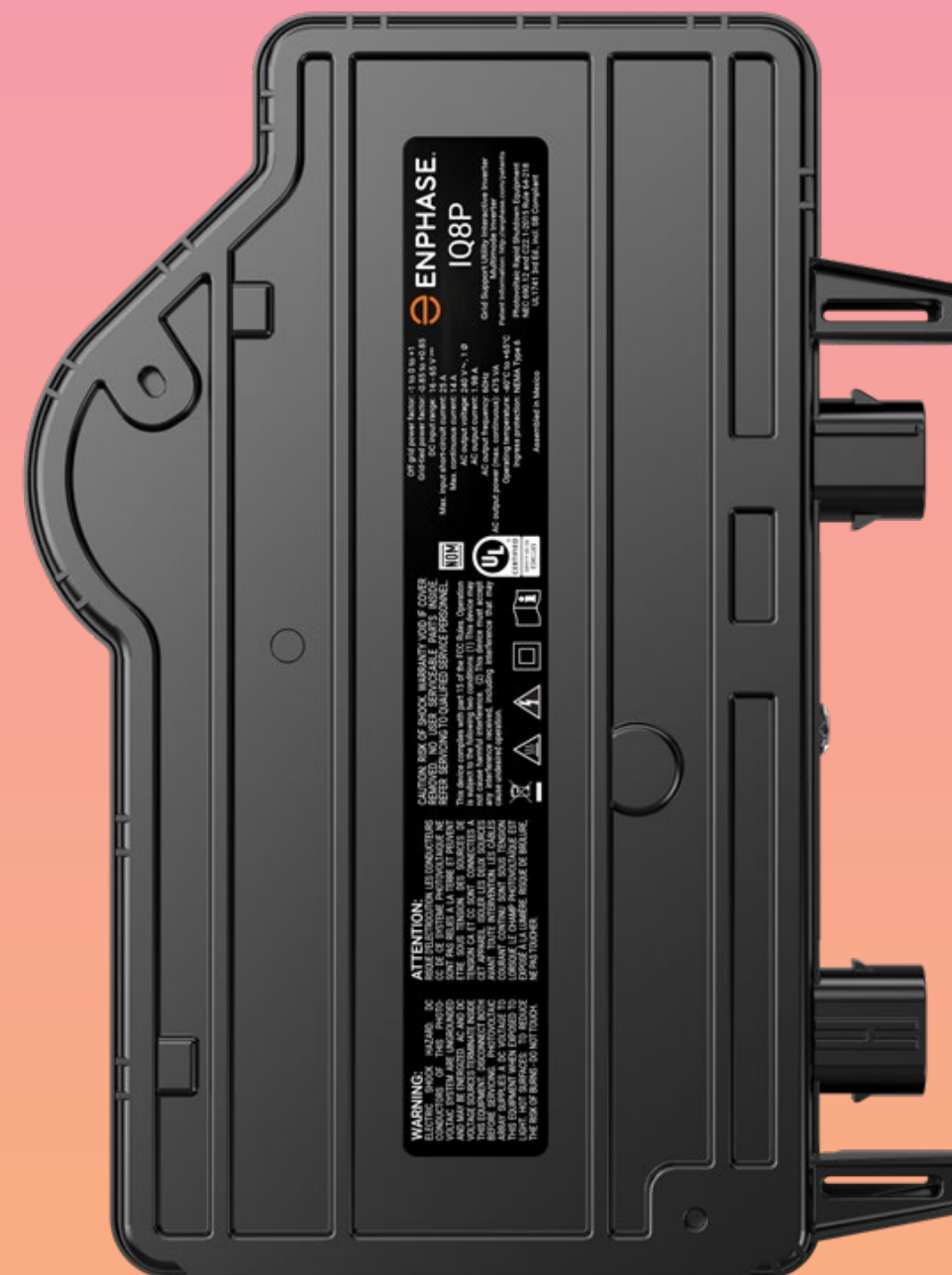
Responsive and responsible

IQ Microinverters include built-in rapid shutdown to help keep utility workers and first responders safe. In an emergency, solar power can be turned off instantly and easily.

Industry-leading warranty

Enphase IQ Microinverters are covered by a 15-year limited warranty.

Enphase
15
year limited warranty



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IQ8P Microinverter is designed to match the latest generation of 14A high output solar modules, up to 640 W

IQ8P Specifications

Specifications	IQ8P
Maximum PV panel recommendation in W _p	640
Peak output power [VA]	480
Maximum continuous output power [VA]	475
Input voltage range [Vdc]	16 - 65
MPPT voltage range [Vdc]	36 - 55
Maximum Input continuous current [A]	14
Maximum short-circuit DC input current [A]	25
Grid voltage [V]	240/220V
CEC weighted efficiency [%]	97
Max. microinverters per 20 A circuit (L-L)	8/7
Weight (in kgs.)	1.6
Input DC connections	Staubli MC4 adapter
Dimensions (in mm)	265 (H) x 200 (W) x 35 (D)



IQ8 Series Microinverters

Module compatibility calculator

Use our compatibility calculator to find the right IQ8 Microinverter for your installation.

Select the PV Module brand and model, insert the temperature range and you will get see the microinverters that are electrically compatible.

<https://enphase.com/en-ph/installers/microinverters/calculator>



IQ8P Microinverter

Compatible with newer high output PV modules.

IQ8P Microinverters support the latest generation of 14A high output solar modules, up to 640 W

More energy per square meter.

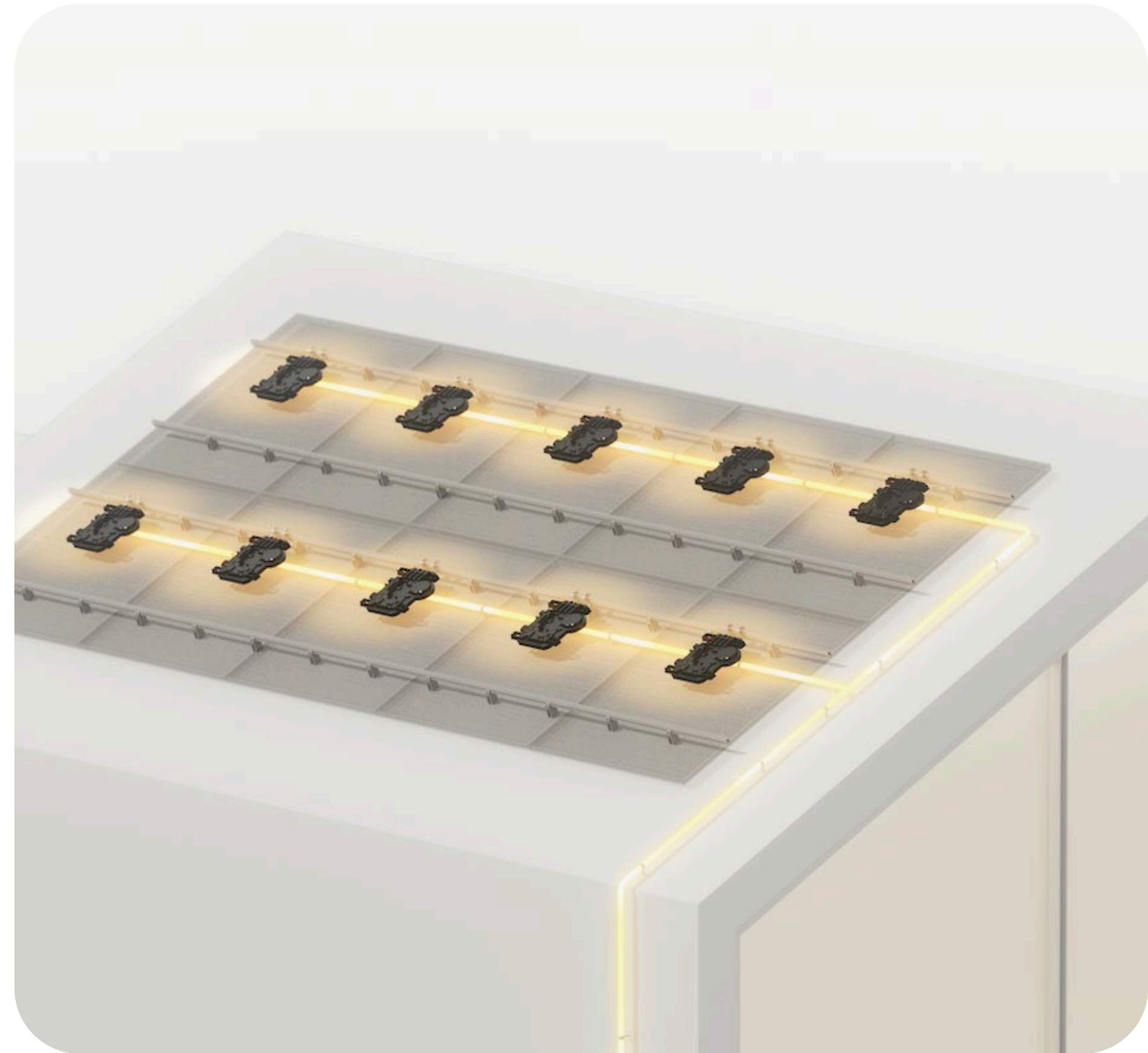
Our highest-output microinverters ever, IQ8 Series pack more energy into less space than other rooftop solar systems.

Future proof your investment.

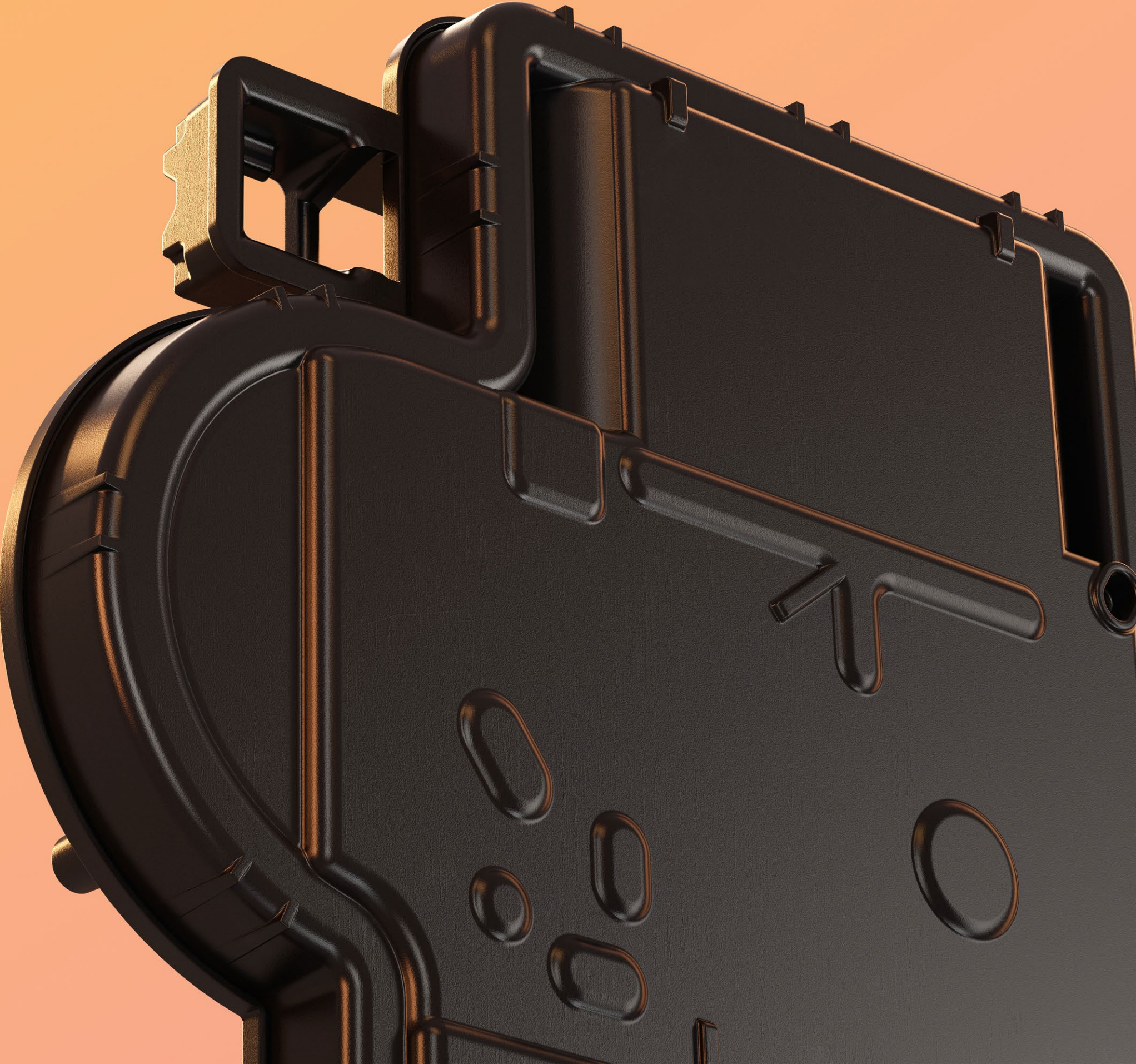
With IQ8 Series Microinverter at the core, Enphase Energy Systems are flexible and scalable. Start with a solar-only system and add more when your energy needs change.

Industry-leading limited warranty.

IQ8 Series Microinverters are backed by an industry-leading 15-year limited warranty.



Before you get started



Things you need to know before installing IQ8 Series Microinverters

IQ8 Series Microinverters cannot be mixed together with IQ7 or older series of microinverters in the same system using a single IQ Gateway.

The communication protocol that IQ Gateway uses to communicate with IQ8 Series Microinverters differs from that used with previous generations of Enphase microinverters. Due to this difference, IQ7 Series (or older generation Enphase microinverters) and IQ8 Series cannot be mixed together using the same IQ Gateway.

Commissioning of IQ8 Series Microinverter systems requires Enphase Installer app version 3.33.x or higher.

The IQ Gateway software version which is compatible with IQ8 Series Microinverters is only available starting with Enphase Installer App version 3.33.0. Previous versions of the app don't support the gateway software version required for IQ8 Series Microinverters.



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