

SMART

THE CLEVER WAY TO CONTROL YOUR HOME'S POWER

Have you made the smart choice to install solar, but aren't sure how well your system is performing? Maybe you're looking for a better return from your investment?

Edge Electronics has created a totally unique, low-cost technology which reduces your electricity bills, enhances your solar benefit, and allows you to monitor your system's performance and see the results in real-time from your mobile phone. The best part? EdgeIQ does the hard work to save you money, so you don't have to change a thing!

PERFORMANCE

Reduces energy consumption and carbon emissions by up to

15%

Improves solar yield by up to

10%

Average unit lifespan of

25yrs

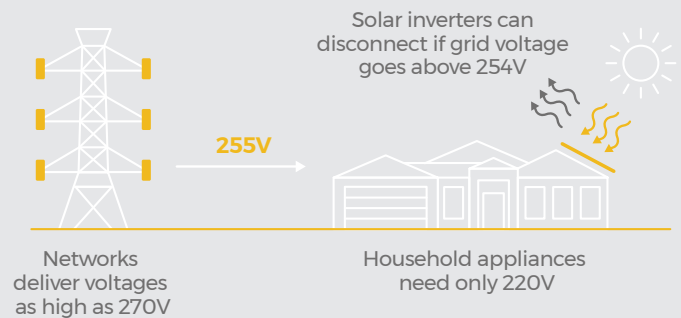
SAFETY

- Low heat ensures no heat damage to surrounding equipment
- Protects your solar system from damaging high voltage
- Standard installation takes 2-3 hours
- Partnered with global manufacturer, Flex, to guarantee safe and durable designs
- Reduces high grid voltages to a steady 225 volts
- Protects the lifespan of your appliances from long-term damage caused by high voltage
- Ensures your solar system does not shut down due to high voltages which can cause your inverter to disconnect
- Fully cloud communications-enabled for simple customer monitoring through a mobile platform

IMPACTS OF HIGH VOLTAGE

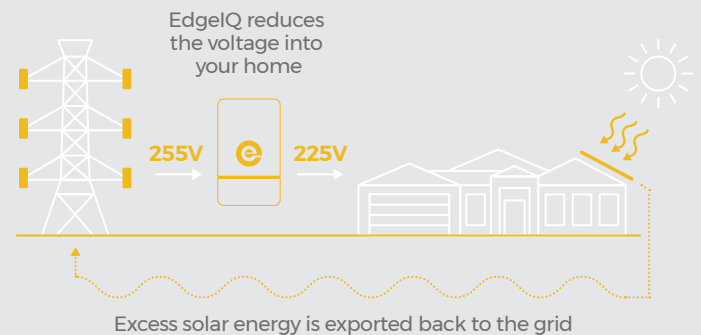
High penetration of residential solar installations has increased the overall voltage level across the Network. This forces your appliances to consume more electricity than they need to run, resulting in expensive bills. Running high voltages into your home also means you need to use more of your solar power to supply your own needs, leaving less solar power to sell back to the grid.

If grid voltages are running higher than 250 volts, your overall solar benefits will be decreased by up to 15%.



BENEFITS OF EDGE IQ

EdgeIQ reduces the voltage running into your home to a steady 225 volts. This allows your appliances to take in only the amount of power they need to run, and increases your energy savings and solar harvest by up to 15%.



SOFTWARE-DRIVEN DESIGN

EdgeIQ is the world's first patented technology to reduce high voltages at a residential level through direct AC-AC voltage conversion technology.

It's this innovation, driven by Edge's proprietary software, which separates EdgeIQ from existing market solutions. Historically, grid voltage was reduced through an indirect AC-DC-AC conversion process. Typical technologies using this "two stage" method are large, inefficient, expensive and unsuitable for residential sites.

EdgeIQ has streamlined voltage reduction through a fast and direct "one stage" AC-AC conversion process. It does this using proprietary Power Control Software which is fully bi-directional, meaning power can be passed backwards and forwards while maintaining constant regulated voltage for the premise.

EdgeIQ passes fluctuating voltages through high-speed microprocessors, which read and correct voltage 18,000 times per second and reduce it to a steady, uniform level.

This patented conversion process has revolutionised traditional energy saving methods. EdgeIQ is unparalleled in delivering instant voltage reduction to residential sites. It's smaller, more efficient and more cost-effective than legacy technologies, and produces significant savings through reduced consumption, improved solar harvest and fewer carbon emissions.

CONTACT

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