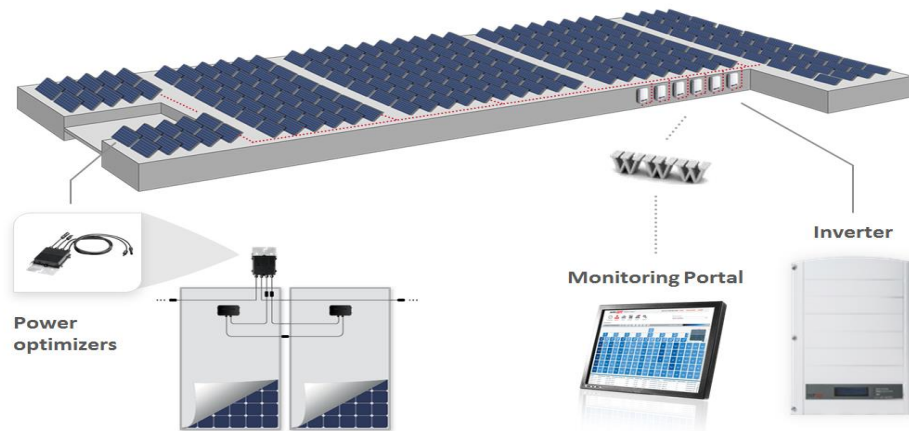


Differentiating features of SolarEdge



1. **Warranty:** 12 Year Standard Warranty on Inverters and 25 years on Optimizers. Inverter warranty can easily be extended to 20-years and 25 years.
2. **Optimizer technology** – Optimizers are mounted at the back of each panel (in commercial cases behind every second panel), this allows for MPPT tracking on a **module level** as opposed to a string level. This allows each module to produce at its maximum power point, independent of the other modules in the string. The result is additional yield (conservatively up to 5% over 20 years).
3. **Ease of Design** – With SolarEdge, design and layout of modules is very easy. There is no need for equal string lengths or calculation of volts and amps per string. SolarEdge works on fixed voltages which are regulated by the Optimizers. The SolarEdge solution can be mounted on North, East and West orientations all **in the same string**. You can go closer to shaded areas as only the single module which is shaded is affected at the time of shading. This allows for more modules to be installed.
4. **Reduced BOS Costs** – Up to 15KW per string allows for more modules per string. This leads to fewer strings per inverter and therefore less wiring, combiner boxes and fuses. This reduced BOS costs by up to 50%.
5. **Harvest more power from each module** – SolarEdge mitigates power losses due to mismatch between modules, uneven soiling, shading etc., for maximum power generation from each module. Weaker modules do not affect the strong ones.

Mismatch sources



6. **Monitoring FREE for Life** – The SolarEdge Monitoring tool comes free with the solution, and is live immediately once the system is connected to the internet. This allows for complete visibility of the system down to a **per module level**. Not only does this give great visibility of the system, but also can be set up to notify the installer of any faults for easy and faster reaction time. Support tickets can also be logged through the portal direct to Solar Edge for quick support turnaround.



7. **Reduced Maintenance Costs** – The monitoring portal is so detailed that gone are the days where installers need to spend hours on the roof testing each solar module to detect which is faulty. The monitoring portal tells you **EXACTLY** which module in your array is faulty for teams to visit site only once with replacement parts in hand.
8. **Future Proof your system** – Typical string inverters require that faulty modules are exchanged with exactly alike modules to match the string. With Solar Edge, you can replace a faulty module with **any size module and manufacturer** of module available at the time of fault. This is a key factor when the lifespan of a system is expected for 20-25 years and technology has moved on.
9. **SolarEdge Safe DC** – SolarEdge Inverters come with **BUILT IN safety features** which adhere to the highest European Standards. The DC disconnect is designed to automatically drop DC current, as well as voltage from all DC cables, whenever the inverter or grid power is shut down. The voltage of each module is reduced to 1V. This allows for safe firefighting or any other emergency services required.



10. **Local Support with Kathea** – Kathea has a full service desk, and 20 years of experience in supporting imported products and brands. We hold maintenance stock and together with our close relationship with SolarEdge will be able to offer you and our installer base quick turnaround for any issues you may encounter.