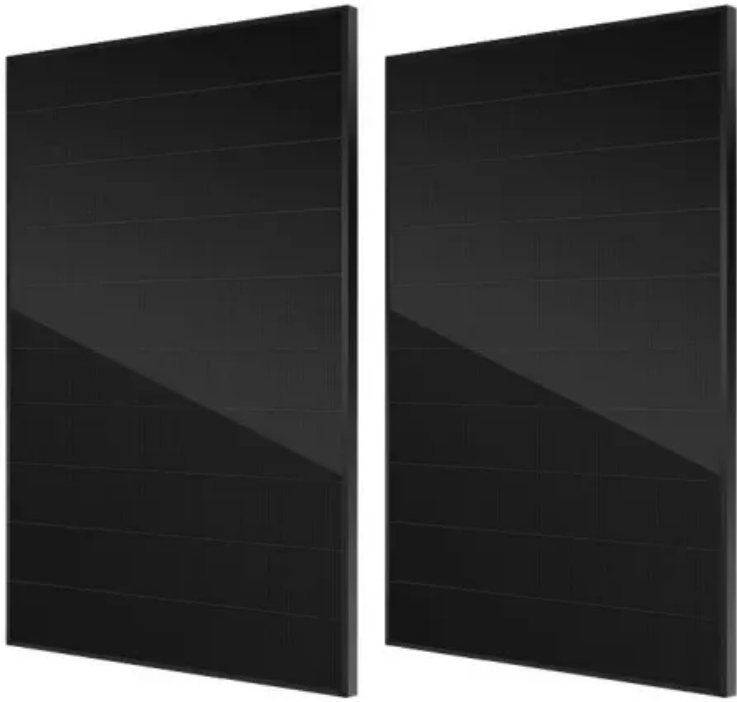


Microgrid Energy Optimization Program



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[How buildings can solve energy security as demands surge](#)

Surging energy demands and prices of buildings are turning leaders to efficiency retrofits to reduce energy costs and improve long-term energy security.

[How to finance battery energy storage , World Economic Forum](#)

Battery energy storage systems can address the challenge of intermittent renewable energy. But innovative financial models are needed to encourage deployment.



[This bike path in the Netherlands is made from plastic waste](#)

Dutch cyclists rode down the world's first bike path made entirely of discarded plastic this week, in a move aimed at reducing the millions of tonnes wasted every year.

[These Dutch microgrid communities can supply 90% of their](#)

Local communities generating their own power could become 90% energy self-sufficient, with potential to be fully self-reliant in the future, according to a Dutch study.



[The start-up tackling Nigeria's reliable power challenge . World](#)

Amid an electricity crisis, many Nigerian small businesses run on petrol generators. This solar-microgrid start-up is working to connect them to clean energy.

[The small island states making big strides towards net zero](#)

Pacific small island states, contributing only 0.03% of global emissions, are leading with ambitious renewable energy projects and net-zero goals by 2050.



[What are microgrids - and how can they help with power cuts?](#)

Microgrids can step in when the main electricity grid fails. And as they can be powered by renewables, they are a sustainable and affordable option, too.

[What's working in AI? Real-world transformations from MINDS](#)

The World Economic Forum's MINDS programme shows how AI can be applied with purpose to solve complex challenges. Here are some of the first cohort winners.



[The Future of Jobs Report 2025 , World Economic Forum](#)

Technological change, geoeconomic fragmentation, economic uncertainty, demographic shifts and the green transition - individually and in combination are among the major drivers

[Microgrids can secure electricity supply during disasters , World](#)

Another successful microgrid and P2P energy project can be found in the town of Rock Port, Missouri. There, a community microgrid was established after a tornado destroyed the town's



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