



# Boxpower solar containers

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In the ongoing effort to lower the cost of microgrid deployment, one concept that continues to evolve is that of the modular microgrid, best expressed in a system that can fit inside a single shipping container. It's not a new idea. Many other types of energy systems — such as batteries and diesel engines — are designed to be shipped and operated permanently inside containers. What is emerging is the concept of a stand-alone hybrid renewable energy system that can be transported easily and dropped at a location — to start generating power with a minimum of setup time.

BoxPower uses HOMER Pro to model their systems, especially any new configurations, and ensure they are using the best combination and sizing of components. With HOMER Pro they can also model factors like the energy output, fuel consumption, battery lifetime, payback periods, and system operation and control.

The combination of affordable renewable energy and energy storage systems, matched with improved, lower-cost control technologies is now making the rapid deployment of turn-key clean energy systems possible. These types of systems are poised to replace the workhorse diesel-only microgrids that used to be the mainstay for power supply in remote regions and emergency circumstances.

Dive deeper into this topic with the global microgrid community at the 7th Annual HOMER International Microgrid Conference that takes place on October 7-9, 2019 in Cambridge, MA. Join us to hear over 40 microgrid industry leaders speak about microgrid trends, practical solutions and their experiences. There will be a session on container microgrids at the conference where we will be learning about a real world case study from Michele Nesbit of BoxPower, who deploy these systems worldwide. We hope to see you there.

Friends, Micro Grids for Communities is a noble idea. We appreciate your efforts and would like to collaborate. In endeavor to mitigate Climate Change we develop Fuel-less Generators by use of battery and Fly wheel.



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