# Microgrid in tourist scenic area

Why do we need a solar micro-grid in Batangas?
The island's growing tourist economy and marine wildlifemake it especially important that it has access to a reliable and clean source of energy. Between 2015 and 2018,we built a 32 kW solar photovoltaic micro-grid as a pilot in partnership with SunPower Philippines,Meralco,and authorities from nearby Batangas City.

Are island communities a good candidate for micro-grid technology?
The island communities of the Philippines--where affordable,reliable,and clean electricity can be a major challenge--are particularly good candidatesfor micro-grid technology.

Can micro-grids make a difference?
This is where micro-grids--small,shared power-generation systems that draw on renewable energy resources--can make a major difference,bringing down the cost of electric power across an entire community.

Why is Isla Verde a microgrid?
This microgrid contributes to the island's goal of reaching the 197 kW needed to power more than 300 Isla Verde businesses and households as well as sufficiently run resorts, tourism facilities, and vital water services.

Are micro-grids the solution to rural electrification?
The micro-grid model is not the solution for every off-grid community,particularly in places where the national transmission plans demonstrate that grid extension or expansion is the most cost-effective solution to rural electrification. However,for isolated yet thriving island communities like Isla Verde,micro-grids make perfect sense.

Duke Energy has several pilot microgrids in the Charlotte area, but the Mt. Sterling Microgrid was Duke Energy''s first official microgrid in the company''s regulated territory. Jonathan Landy, Duke Energy director of ...

In the tourist scenic area, the local distributed new energy is mainly used to provide energy for the system. The micro-grid control system as the core of the system controls the optimal operation ...

microgrids will serve as building blocks to in-tegrate distributed generation and dispersed loads into a future smart grid. Hybrid microgrids combine power from both traditional and re-newable ...

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While rural tourism contributes to both economic and social benefits, its impact on the environment is a

crucial issue requiring attention. This study aimed to explore the factors ...

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