



# Turks and Caicos Islands solar portable power generator

Where can solar power be installed in Turks & Caicos?

Solar-derived power is increasing in popularity, with many private installations visible throughout the country, especially on new Turks and Caicos villa projects. Several local companies specialize in both supply and installation of alternative energy systems. The Fortis TCI electricity plant on Providenciales.

Who produces electricity in Turks & Caicos?

In the Turks and Caicos, all public electricity generation is run by Fortis TCI, a vertically integrated company that provides both power generation and distribution.

How much electricity does Turks & Caicos need?

Current generation capacity is 86 MW across the country, with a peak demand of 46 MW (2022 data). The electricity standard in the Turks and Caicos is 120v, 60Hz and U.S. style power plugs.

Can Turks and Caicos use solar power?

The Turks and Caicos Government and Fortis TCI are currently reviewing the electricity legislation to enable Turks and Caicos residents to use the solar power they produce to offset their power consumption (rather than sell everything back to Fortis at their pre-agreed rate).

Who owns the electricity in South Caicos?

Separately, Atlantic Equipment and Power (AEP) acquired an exclusive license for South Caicos which is due to expire in 2036. For the Turks Islands of Grand Turk and Salt Cay, electricity generation was run by Turks and Caicos Utilities (TCU), a government-owned entity.

Will Fortis TCI install a solar array in North Caicos?

Fortis TCI announced in 2017 that 1 MW of solar capacity is scheduled to be installed in the islands via the utility company, which would include a 700 kW array on North Caicos and 300 kW throughout the other islands. These projects are ongoing. There are two approaches for persons wishing to install a solar array at their residence or business:

**Portable Generators.** Portable generators offer a practical solution for temporary power needs and are easy to transport, making them ideal for use during emergencies or at locations without permanent power access. They typically run on gasoline or diesel, providing a convenient and immediate power source to operate essential appliances or tools.

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Solar power systems can be used to power anything from as small as an led light bulb, to as large as utility grade power production plants. The lifespan of a solar panel can be in excess of 30 years. The panels that we ...

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Solar power systems can be used to power anything from as small as an led light bulb, to as large as utility grade power production plants. The lifespan of a solar panel can be in excess of 30 years. The panels that we provide come with a 25 year power production warranty.

Electricity is generated almost exclusively via diesel generators, and solar and renewable energy account for around 1 MW of installed capacity (approximately 2% of power consumed in the Turks and Caicos based on 2022 figures). Current generation capacity is 86 MW across the country, with a peak demand of 46 MW (2022 data).

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Portable generators: Ideal for temporary power needs during outages, outdoor events, or remote job sites.  
Standby generators: Designed for residential or commercial properties to provide seamless power during blackouts.

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