

This factsheet was produced by the Jamaica Energy Resilience Alliance (JERA) with USAID support under the Strengthening Energy Sector Resilience in Jamaica project (SESR-Jamaica). Under SESR-Jamaica, JERA supports Jamaican businesses seeking to reduce power costs, increase the reliability of electricity supply, and green their operations. For more information visit cadmusgroup.com/jamaicaenergy.

SOLAR PV

For Jamaican Businesses

Why should you consider a PV system?

Solar photovoltaic (PV) systems can help Jamaican businesses:



Cut overhead costs.

PV electricity will offset the amount of electricity you purchase from the grid, reducing your electricity bill even while paying off the cost of the system.



Green business operations.

PV can help you reduce your environmental impact, achieve sustainability goals, and earn various sustainable business certifications.



Attract customers and investors.

Consumers and investors around the world have growing preferences for businesses that take efforts to reduce their environmental impact.

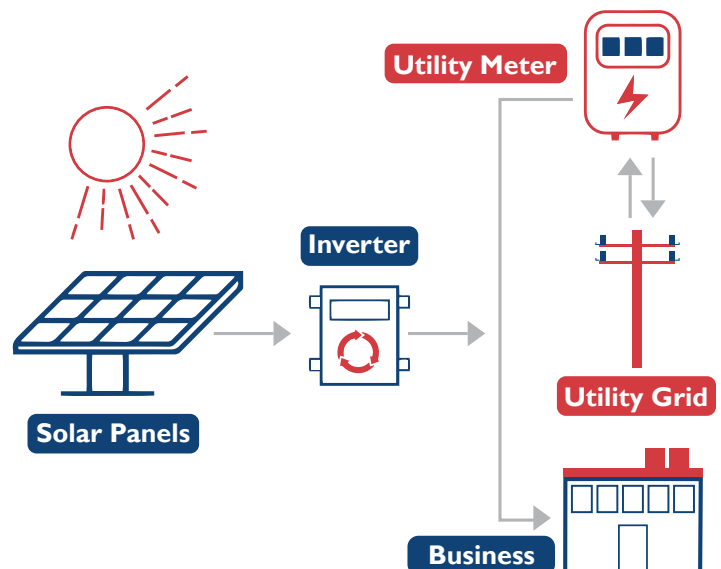


Reduce risk of energy market volatility.

Electricity prices in Jamaica are subject to sudden rate increases. Generating your own electricity with PV protects you from this risk.

How does PV work?

1. PV cells convert the sun's energy into direct current (DC) electricity.
2. DC electricity is sent to an inverter that converts it into alternating current (AC) electricity.
3. The electricity produced by the system can either be used on site or sent to the grid.
4. Excess electricity sent to the grid can be compensated at a rate determined by Jamaica Public Service (JPS) under the Net Billing Program.





Frequently Asked Questions

What if I don't have a suitable roof for a PV system?

PV systems can be installed on any suitable land on your property. Installing PV as parking lot canopies can be a great option with added benefits including shading and solar powered electric vehicle charging ports.

How much does a PV system cost?

Every PV system is different, and cost will depend on several factors, including system size. However, the cost of grid-tied systems in Jamaica will typically be paid back in 4 years or less through electricity bill savings, resulting in significant financial returns over the system's ~25-year life.

How do I choose a quality PV installer?

A quality installer will not only help you get the most out of your PV system, but also ensure your system complies with regulatory requirements, including permitting and licensing. Confirm that installers are certified, licensed and insured, have relevant experience, and can provide project references. Participating installers with SESR-Jamaica meet these and other important baseline qualifications. Contact jamaicaenergy@cadmusgroup.com for more details.

How much will I save on my electricity bill with a PV system?

It is possible to save up to 30 percent on the electricity generated under the right conditions. However, savings depend on several factors, including your financing terms. A shorter term will mean faster payback and a longer period of nearly free electricity from the PV system, but the monthly payments will be higher.

Is solar PV reliable?

PV systems are extremely reliable and require little maintenance, provided the system is installed properly using quality equipment. Systems typically last around 25 years and can be designed to be more likely to withstand extreme weather events such as hurricanes.

What are my ownership and financing options for a PV system?

The JERA team will work with you to identify available sources of financing that meet your business needs and help you maximize returns on your PV investment. Ownership options include:

- Direct ownership: you purchase the system directly from an installer who is responsible for installing, operating, maintaining, and decommissioning.
- Lease financing: lease financing allows customers to lease PV or PV+ systems over time through predictable monthly payments. Leases can be from 5 to 12 years or more, depending on the wishes of the client.



Learn more and sign up for a free PV+ consultation at www.cadmusgroup.com/jamaicaenergy

Questions? Contact: jamaicaenergy@cadmusgroup.com

Jamaica Energy Resilience Alliance (JERA) Members

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