

## Solar Energy South Africa

# Pitcairn Islands generac energy systems



## Overview

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Can solar energy replace fossil fuels on Pitcairn Island?

Pitcairn's authorities have launched a renewable energy project designed to replace fossil fuels with solar energy. The goal is to replace 95% of the current diesel consumption on Pitcairn Island (75,000 liters per year) with a combination of energy saving and solar electricity through the installation of a hybrid photovoltaic solar energy system.

Are the Pitcairn Islands Green?

Pitcairn Islands, a group of five islands with a total area of 47 km<sup>2</sup> and which constitute one of the most remote archipelagos in the world, turn to safer, greener energies that best meet the needs of the population. Pitcairn's authorities have launched a renewable energy project designed to replace fossil fuels with solar energy.

Could distributed energy resources boost the deployment of renewables on islands?

Distributed energy resources – or small-scale energy resources that are usually situated near sites of electricity use, such as rooftop solar – could play an important role in boosting the deployment of renewables on islands, increasing the security, resilience and affordability of power systems while accelerating decarbonisation.

Do IEA islands need resilient power systems?

Islands need resilient power systems more than ever. Clean energy can deliver – Analysis - IEA Islands need resilient power systems more than ever.

Why do small islands need a new energy infrastructure?

Islands – including those that make up the group known as Small Island Developing States (SIDS) – also need to upgrade their energy infrastructure so that it is resilient to higher temperatures, more frequent natural disasters and

flooding related to rising sea levels.

## Pitcairn Islands generac energy systems

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### Dust Fighters



The Dust Fighter range by Generac Mobile ® is composed of many dust control units which provide you with options based on performances and size of the area covered by the nebulized water.. The dust suppression systems of Generac Mobile ® are suitable for a variety of applications, such as demolition works, mining sites, odour suppression in waste dumps, ...

### Wash Racks

Wash Racks. The Wash Rack is a self-contained, water closed-loop, environmentally friendly cleaning system suitable for machines, constructions equipment, tools, mobile construction plants and equipment in general. The system provides a simple cleaning solution that prevents soil pollution or accidental contamination of drains from oil, grease and other contaminants.



### GMR Hybrid Line

GMR Hybrid is an innovative and unique solution, a mobile hybrid generator suitable for a large variety of final applications. This all-in-one product combines a diesel genset with a hybrid power package, set inside the same enclosure, in order to satisfy the growing demand from the rental business for low fuel consumption, low emissions, and low noise solutions.

## Generac adds ability sell power

## back to grid to its home battery

US backup power solutions specialist Generac has embedded 'Smart Grid Ready' functionality into some of its products, leveraging its acquisition of distributed energy platform tech company Enbala. Generac, best known for its home and light commercial gensets, added battery energy storage systems to its suite of products, launching the first

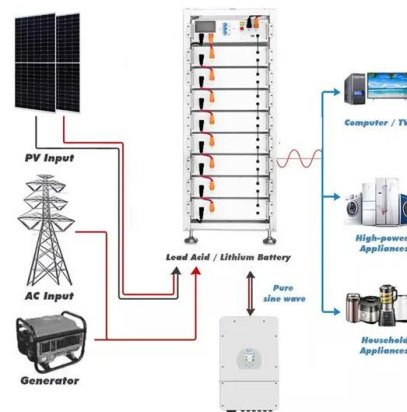


## V20 PRO AGM Lighting Tower

V20 PRO AGM lighting tower. V20 PRO is not just a new lighting tower, but the authentic and unique "ALL IN ONE" product. It embodies all the innovations and new technologies that Generac Mobile ® has developed in over 20 years at the top of the industry as a manufacturer. Generac Mobile ® has brought together all the Rental needs, in one single product.

## Dust Fighter PowerJet

PowerJet - Dust control system. PowerJet is the new Dust Fighter model equipped with spray nozzle arm, built-in engine and wheels for easy transportation. The arm can be manually adjustable horizontally and vertically, and thanks to the inner high pressure pump coupled with the diesel engine, the nebulized water spray can reach up to 30 metres.



## Bringing Renewable Energy to Pitcairn Island

Following an EU commissioned study in 2017, the EU agreed to fund a Renewable Energy project for Pitcairn to replace fossil fuel with Solar Power under the EDF 11 Regional Envelope

and we have been working with ...



## Wash Rack Modular D

**MAIN FILTERING SYSTEM:** for oil, hydrocarbons, and solids (600 or 3000 litres) **SIDE TANK:** one on each side. **WASH RACK DECANter:** an optional decanting tank of 1000 liters specifically recommended for big-sized Wash Racks and in presence of a high quantity of mud.



## **Geneverse Aligns with Jackery: Expanding Green Energy Offerings**

Geneverse joins up with Jackery for expanded and enhanced green energy solutions. As a leader in innovative portable power and green energy solutions, we are very pleased to announce our integration with Jackery, which will allow us to join forces in offering a complete suite of energy solutions. This move will help u

## Electric Line

The Generac Mobile ® line of mobile lighting towers without a built-in generator. The Electric Line includes models that can be powered by a built-in battery pack, solar panels, or through an external power source, resulting in completely silent units with no carbon emission.. A perfect solution on job sites where keeping engines on

it's not allowed due to specific restrictions or ...



### [Dust Fighter DF 7500 MPT](#)

DF 7500 MPT. The Dust Fighter DF 7500 MPT (Mobile Power Tank) is the complete "all-in-one" independent dust control unit. Its integrated water tank, off-road 4-wheel trailer and 17 kW power generator allows this machine to work in every area also when water or electricity is unavailable.



## Generac Power Systems acquires SunGrid's PowerPlay

Generac Power Systems has expanded its energy storage capabilities with the acquisition of PowerPlay's battery energy storage systems, a division of SunGrid Solutions. PowerPlay is known for its bespoke Battery ...



### [CUBE Super light tower](#)

CUBE Super light tower. The compact design of the new CUBE Super light tower and its base configuration assures you that during events it cannot be moved or towed, and the new internal locking system will grant a safe and secure locking of stabilizers. New configurations available! Digital controller. The CUBE Super is equipped with a digital controller specifically studied to ...



## [TF4 Light Tower](#)

The floodlights have a rotation and a tilting system to be placed in different positions and illuminate from 180° up to 360°. Optional electric actuator for the mast When the TF4 light tower is equipped with the optional electric actuator, the operator can raise and lower the mast in seconds by using a simple selector located on the control



## **Business Customer Support , Contact Us , Generac Industrial Energy**

We are committed to providing you with customer and technical support to ensure peace of mind and dependable service for your Generac product. Find help here or contact us - we're available 24 hours a day, 365 days a year. Call Us! 888-GENERAC (888-436-3722)

## [Dust Fighter DF Smart](#)

Generac Power Systems, Inc. (USA) Generac Pramac UK Ltd. Generac Latam (Mexico) Generac Mobile (USA) Generac International; Energy Storage; About . The Company. History; Mission; Sustainability; Career; Code of Ethics; Model 231; Quality; Tilting system; DF Smart. Electrical engine: Single phase 230 V 50 Hz - 2,2 kW



## [Wash Rack Mini](#)

Wash Rack Mini. Wash Rack Mini is the smallest model of the Wash Rack range, ideal for customers needing to clean small equipment and with few space available.. Features: All-steel construction; Platform with removable grates and anti-slip ramps; 600L filtration tank for oil,

hydrocarbons and solids

Our LifePo4 batteries can be connected in parallels and in series for larger capacity and voltage.



## Generac buys up Panasonic US inverter partner Pika

Pika, a manufacturer of home energy storage systems headquartered in Maine, US, has been bought up by power generation equipment manufacturer Generac. In the wake of recent disasters and the territory's island geography, backup power is considered a big value-add feature for energy storage systems. Generac, in the power solutions business



## Power, Diesel, BiFuel, Natural Gas Generators , Energy Systems

Energy Systems provides Generac power, diesel, dual fuel & natural gas generators, mobile & clean energy products for all your commercial and industrial needs. (800) 845-8519 [info@energysystems](mailto:info@energysystems)

## Standby Power Generation , Emergency Generators

WPI has been an industrial distributor of Generac energy systems for over 30 years. We provide innovative power solutions for various commercial, industrial, and life-critical

applications. With diverse generator options, high-tech mobile products, and cutting-edge transfer switches and accessories, we ensure power is always available to



## **AN 3830 Replaces Jabsco 18673-000B NL 25-12009 -- Marine Energy Systems**

Impeller Jabsco 18673-000B replacement by Ancor of Italy. Impeller Specifications Number of Blades - 10 Impeller Rubber Material - Neoprene Replaces Jabsco Impeller 18673-0001 - can also be used in place of Jabsco 18653-0001 (Ancor AN 3823) Replaces Northern Lights Impeller NL 25-12009 Used on Northern Lights Generator



## **EMS: Wärtsilä's new GEMS 7 platform, Generac buys ...**

System integrator Wärtsilä has launched its newest energy management system (EMS) platform, while power solutions manufacturer Generac has acquired a company that makes them. Ageto microgrid ...



## [Dust Fighter DF 4500](#)

Dust Fighter DF 4500 compact dust suppression system. DF 4500 dust control system. The Dust Fighter DF4500 is a dust control system with a maximum range of 30 metres, ideal for small and medium size working areas.. Notes If you are powering the Dust-Fighter from a generating set we suggest you use a 8 kW - 380V generator, or



larger

## Contact Us

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For catalog requests, pricing, or partnerships, please visit:  
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