PVSTOP

SOLAR PANEL BLOCK OUT

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Jactone®

The world is in the midst of a clean energy revolution driven largely by rising grid electricity prices, government incentive schemes and a positive public sentiment towards protecting the future of our planet.

The increasing uptake of solar panels and the downward pressure on solar PV system pricing has led to an unprecedented level of growth in the global solar PV system market, growth that is forecast to increase exponentially in the decades ahead.

In line with the exponential growth of the solar industry, there has been a similar growth in the number of fire and emergency related incidents involving solar PV systems which has highlighted a number of unanticipated safety risks.

THE PROBLEM

Solar panels cannot be easily "switched off". As long as they are exposed to light, the solar panels and the wiring leading down from the panels are continually producing potentially lethal amounts of DC electricity, in professional terms this is known as the **DC Danger Zone** and up until now there has been no safe or practical way to "switch off" these solar PV systems at the source (the solar panel).

THE PVSTOP SOLUTION

PVSTOP is the only product that quickly and safely isolates the power produced by solar PV systems at the source, the solar panels themselves. PVSTOP coats solar panels like a "liquid tarpaulin", blocking the light and **"switching off"** the solar panels in seconds, rendering the solar PV system electrically safe. PVSTOP is effective on all types of solar PV systems and all types of inverter systems.

The ONLY way to de-energise or "switch off" solar panels at the source of production (the solar panel) is to block the light - light is the source of power

WHO CAN USE PVSTOP

PVSTOP can be effectively used by suitably trained:

- **Fire and Rescue Services and First Responders**

- **Electrical Technicians and Maintenance Personnel**

- **PV System Owners**

- **PV System Operators**

HOW IT WORKS AND WHY IT WORKS

PVSTOP is a simple solution to a complicated and technical problem. The coating is applied to solar panels, blocking the light and rendering the solar PV system electrically safe.

There are many types of solar panels available on the market and most panel manufacturers offer a range of models including, mono crystalline, poly crystalline and half cut (split cell) varieties. Regardless of the type of solar panel, the technology incorporated into the panel or the level of efficiency that the panel generates, all solar panels operate on the same principle, they generate power by converting light into (DC) electricity. Photovoltaic (PV) simply means converting light into electricity.

PVSTOP is an environmentally friendly, state of the art, water-based polymer coating that is sprayed onto solar panels like a "liquid tarpaulin", blocking the light and "switching off" the solar panel system in seconds. Once applied, the PVSTOP coating dries into a protective, non-flammable film which can be peeled off the solar panels without damaging the system when it is time to re-activate the PV system.

Because PVSTOP is designed to be used in the event of short circuits, emergency incidents such as fire, flood or storms, as well as during routine maintenance, the product has several additional safety features:

QUICK DRYING

Dries quickly into a waterproof, protective film.

NON-FLAMMABLE

The coating is non-flammable in its dry state.

NON-CONDUCTIVE

Protecting operators from the risk of electrocution.

ANTI-ARCING

Isolates power at the source, eliminating electrical arcs.

FIRE RETARDANT

The coating is fire retardant in its wet state.

INSULATING

The coating protects against heat and encases any toxic nano-particles from being released from burning or arcing solar panels.

PROTECTION

The coating does not damage the solar panels and once dry, can be easily peeled off the panels to re-activate the PV system.

ENVIRONMENTALLY FRIENDLY

PVSTOP has been rigorously tested and verified by third party independent authorities around the world.

GLOBAL ACCREDITATION

ISO 14034:2016, Environmental Management - Environmental Technology Verification (ETV).

NOTE: This PVSTOP device is NOT a fire extinguisher and must not be used as such.

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PVSTOP FOR

FIRE & RESCUE SERVICES

FIRST RESPONDERS

ELECTRICAL TECHNICIANS

PV SYSTEM OWNERS

PV SYSTEM OPERATORS

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