

A close-up photograph of a solar panel surface covered in numerous water droplets of various sizes. The droplets are in sharp focus, reflecting light and creating a textured, bubbly appearance. The background is a soft, out-of-focus blue, suggesting a clear sky or a clean surface. The overall image has a clean, technical feel.

# Solar Wash Protect



Dirty solar panel can lose 50% of its efficiency compared to a clean solar panel.

**It is a concentrated product that must be diluted in water in order to wash and protect solar panels leaving them cleaner for longer period.**

### **Dilution specifications** (information on the technical file)

SWP solution cleans efficiently and quickly a wide range of dirt, allows the use of significantly lower levels of water and leaves an antistatic surface protection which allows dirt not to adhere so easily on the solar panel and by that you avoid the fast decrease of solar panel power output.

Using SWP solution, instead of water only, enables an increase in solar panel efficiency which results in significant economic benefits to the PV system owner.

All these benefits make SWP the most effective and economical PV module cleaner on the market.

### Additional SWP benefits



Approved



Tested

### **Non-Solvent/pH neutral:**

Does not affect metal rails or anti-reflective coatings.

### **Surface protection:**

Reduces water spotting and cleaning frequency.

### **Biodegradable:**

Does not harm plant/animal life and water table.

### **Phosphate & Chlorine Free:**

Environmentally friendly.

### Conceived specially to

Help facilitate and optimize the cleaning operations and procedures of O&M teams/cleaning services companies.

Allow asset managers, utility pv solar parks owners, residential and industrial pv solar installations owners to obtain higher yields from their investment for longer periods.

Support PV module manufacturers in giving their clients the best possible choice in terms of a completely safe and efficient cleaning product to be used in their solar panels.

### Field test results

### **Regular cleaning of PV solar panels with SWP solution, instead of water-only.**

It will slow the decrease of the solar panel power output and therefore gain between 1,5% to 5% in yield depending on type of dirt, soiling rate, local environment and solar panels inclination.