

## PIENAAR ENERGY (PTY) LTD

# Explosion-proof solar panels on-site energy



### Battery String-S224

- 1C Charge/Discharge
- Easy configuration and maintenance
- Power supply can be single battery string or parallel battery strings

## Overview

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ATEX and IECEx solar panels are photovoltaic panels certified for use in areas where explosive atmospheres may be present. Explosive atmospheres—those that contain flammable gases, vapours, or mist—are particularly dangerous, and it is in these conditions that ATEX and IECEx -certified solar panels are designed to thrive. Orga's explosion proof solar panels forms a part of a complete stand alone solar system that also comprises a battery unit, battery charger or rectifier unit and a distribution system. Designed to endure harsh and. Explosion-Proof LED Lamp: IP66/IK09 aluminum lamp fixture that is anti-corrosion and explosion-proof, equipped with high-efficiency 3030 LED chips delivering 170lm/w and a lifespan of over 100,000 hours. Case Study: Safely Powering Critical Pumps in Hazardous Locations with ATEX Solar. Ex solar PV systems are solar PV systems that are rated explosion-proof and are typically installed in hazardous or potentially explosive locations such as offshore O&G platforms or petrochemical refineries.

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Our Lifepo4 batteries can be connected in parallels and in series for larger capacity and voltage.



### Heavy-Duty Solar Panels Built to Last and Reduce ...

Our heavy-duty solar panels are designed to withstand both environmental and working hazards thus reducing repair and maintenance costs.

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### TSM190EX Solar Module

For applications in hazardous areas, (i.e. LNG, Oil & Gas installations), we offer explosion proof solar modules. Fully certified according latest ATEX and IECEx guidelines.



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### Solar power modules

Are you looking for solar power modules to generate power from the sun? Go to our website to see Orga's explosion proof solar panels!

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### Solar panels for explosion-proofing

Are ATEX solar panels safe? ATEX solar panels eliminate the need for dangerous or costly external power sources, making them the perfect choice for offshore operations. Hazardous Industrial Sites: ATEX and ...

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## Explosion-proof solar panels for the oil, gas and chemical industries

Explosion-proof solar power systems for oil, gas and chemical industries  
 SOLAREX modules are an IECEx certified products with up to 360W power and can be used in hazardous areas of class 1

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## SWIFT Uninterruptable Solar Power Systems - SWIFT Energy Technology

We design, fabricate, assemble, and integrate Ex solar PV systems mainly using our Ex certified products and systems to provide captive and remote power supply for hazardous areas mainly for offshore O& G platforms. ...

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## ATEX Solar Power System,

## ATEX Solar Control Panel, Hazardous Area ...



Utilizing our expertise in electrical switchgear and custom panel manufacturing for hazardous areas, we crafted an integrated solution that fulfilled all safety, reliability, and environmental objectives.

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## The Technical Summary of ATEX and IECEx Solar Panels: Safety

These specialised solar panels are engineered to prevent becoming a source of ignition, offering reliable energy solutions in industries like oil & gas, petrochemicals, mining, and offshore platforms.



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## Custom ATEX & and International EX Solutions

For a client looking for an alternative to traditional Ex suppliers from Europe, Source IEx in conjunction with CZ Explosion-Proof Appliances offered a cost competitive solution to help our client offer cost ...

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