

# Zephyr solar Syria





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### **Zéphyr Solar : Self-powered aerial platform**

A social and solidarity-based French start-up, Zéphyr Solar designs autonomous energy platforms using embedded solar panels. Balloons bring telecommunication and aerial photography in all circumstances.

### **Zephyr Solar: eco-friendly portable solar-based electricity**

It is built of a plastic canvas and has a thin layer of solar energy-absorbing copper, indium, gallium, and selenide (CIGS) on it. The balloon features a steering system to maximise its solar



### **Zéphyr Solar: An autonomous solar balloon bringing**

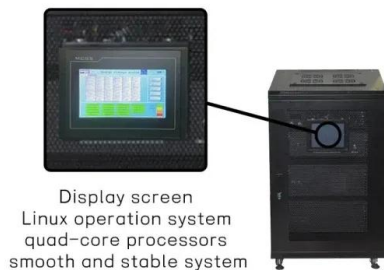
The autonomous aerial platform takes the form of a helium balloon. Operating individually or as an aerial observation network, the solar-powered balloons can be deployed in under an hour, can fly to 30 days at a ...

### **How renewable energy in Syria is helping with the electricity crisis**

Committed to transforming the electricity landscape and increasing the adoption of renewable energy in Syria, the government is aiming to have 10% of electricity generated from



solar power by 2030. The Syrian Ministry of Electricity is currently managing the construction of a 100kW solar power plant in the town of Sargaya, which is scheduled to



Display screen  
Linux operation system  
quad-core processors  
smooth and stable system

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### Zéphyr Solar

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## Zéphyr Solar

We created Zéphyr Solar and our solar balloons to quickly bring energy and services on isolated sites. For this we developed a lightweight solar panels technology integrated on top of the balloons. It produces enough energy to ...



## Zéphyr Solar

Zéphyr Solar is the ambitious project of two enthusiasts founders, Cédric Tomissi and Julie Dautel, driven by the goal to facilitate assistance to people in situation of great precariousness. The company was born out of a shared vision: facilitate humanitarian intervention by allowing access to energy in a crisis situation through solar balloons.

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## Zéphyr Solar: An autonomous solar balloon bringing

The autonomous aerial platform takes the form of a helium balloon. Operating individually or as an aerial observation network, the solar-powered balloons can be deployed in under an hour, can fly to 30 days at a time, are capable of withstanding winds of 43 mph (70 kph), and can fly at great altitudes.



## The slow and delicate aircraft taking on spy missions

One of its rivals, the Zephyr solar-powered high altitude aircraft, flew for up to 18 days during 2021 tests in Arizona. Zephyr was also built in the UK, for Airbus.

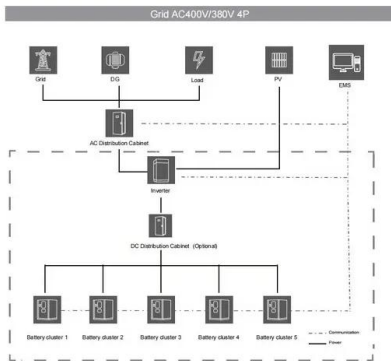


## Zéphyr Solar

Nous avons créé Zéphyr Solar et nos ballons solaires pour apporter rapidement de l'énergie et des services sur des sites isolés. Pour cela, nous avons développé une technologie de panneaux solaires légers intégrés au sommet des ballons.

## Zéphyr Solar

We created Zéphyr Solar and our solar balloons to quickly bring energy and services on isolated sites. For this we developed a lightweight solar panels technology integrated on top of the balloons. It produces enough energy to power ground activities and supply on-board equipments such as communication antennas or cameras.



## Zéphyr Solar, la startup qui facilite l'intervention

En développant des kits solaires ultralégers sous forme de ballons photovoltaïques, Zéphyr Solar entend apporter une solution efficace et durable à la fracture énergétique sur les terrains isolés en permettant l'accès immédiat à une énergie propre et à des services opérationnels.



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