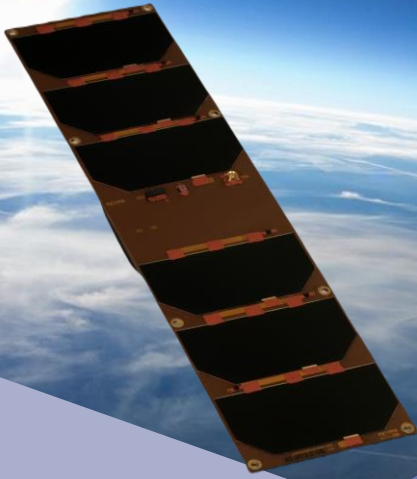


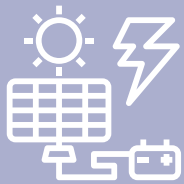
# ODALISS

## 3U/6U Solar Panels



### ODALISS 3U/6U Solar Panels

Highly and including integrated efficient solar panel equipped with the latest triple junction technology.



LATEST CELL  
TECHNOLOGY



INTEGRATED T°  
AND SUN SENSORS



HIGH FLEXIBILITY  
FOR  
CUSTOMIZATION



FLEXIBLE PANELS  
INTERCONNECTION

The **ODALISS 3U/6U Solar Panels** have been designed in a compact form factor to maximize energy transfer to the ODALISS PDCU. High quality space grade materials and components have been used to guarantee the highest thermal performance.

#### Main features:

- Cell efficiency higher than 29%.
- Up to 8.2W in LEO (3U).
- Flexible Series/Parallel configurations.
- Silicon bypass diode for reverse bias protection.
- Polyimide substrate for passive thermal control.
- Fully 3U/6U CubeSat platform compatible and configurable upon customer request.

## SENSORS

- Integrated active linear temperature transducer.
- High sensitivity silicon photodiode included.

## CONNECTORS

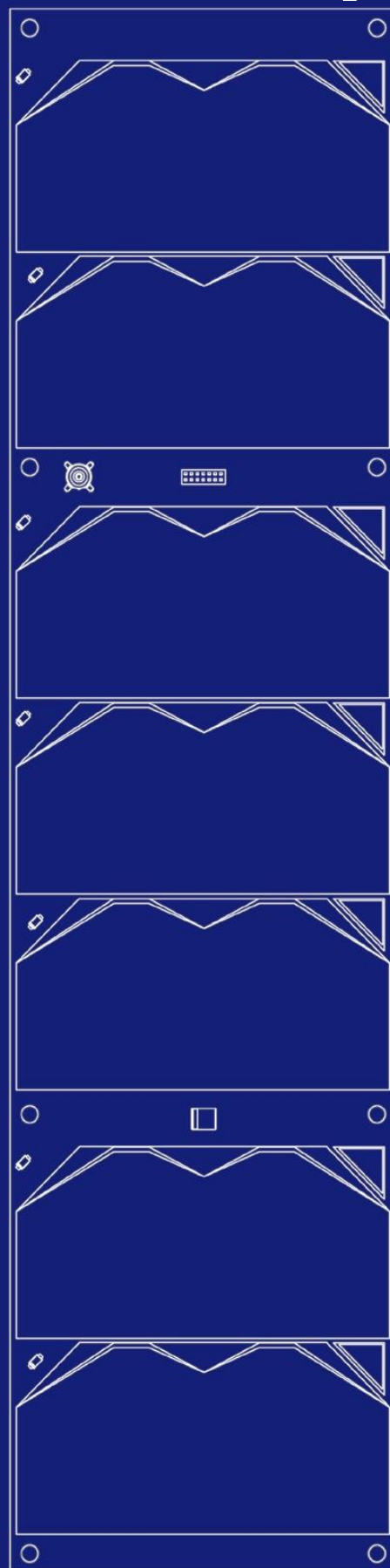
- Three 4-pin solar array power output for flexible panels interconnection.
- One 4-pin connector for temperature sensor.
- One 2-pin connector for sun sensor.
- Remove Before Flight (RBF) pin.
- ODALISS Interface port connector for power management and control interface.

## INTEGRATION

- Operating temperature: -45°C to +125°C.
- Size: 327.5mm x 83.0mm (3U).
- Thickness: 2.2mm (without connectors).
- Weight: 123 grams (3U).
- Fully in-house designed and manufactured.

## MANUFACTURING

- Clean room ISO 8 class.
- Aerospace qualified silicones for ATOX.
- TVAC ( $1.33 \cdot 10^{-3}$ Pa, -45°C to +125°C) tested.



For more info:  
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