

## SOLAR SUPPLY

Item : 002609



### Main features

- Solar power supply for ALIZIA 380
- Crutch for easy tilting
- Allows the connection of the sensor

**The Tropical Solar Power Supply** for the ALIZIA 380 ultrasonic wind sensor allows to easily and durably deploy a wind measurement at 10m. The set, combined with a PULSIA station, will allow to meet the WMO recommendations for synoptic and climatological observation as well as the ICAO recommendations for meteorology dedicated to aeronautics.

**The tropical solar power supply** for the ultrasonic wind sensor ALIZIA 380 ensures the continuity of the measurements made at 10m. Both waterproof and sufficiently dimensioned, it perfectly covers the energy needs of the sensor.

### Technology

Thanks to the amorphous silicon solar panel, the 6V NiMh battery can be charged continuously even on cloudy

days under diffuse solar radiation.

### Easy to install

Thanks to the amorphous silicon solar panel, the 6V NiMh battery can be charged continuously even on cloudy days under diffuse solar radiation.

The mounting point of the sensor allows to perfectly positioned ALIZIA 380. Connected to the P4-100 data logger, wind data is sent

automatically.

### Power supply from the mains

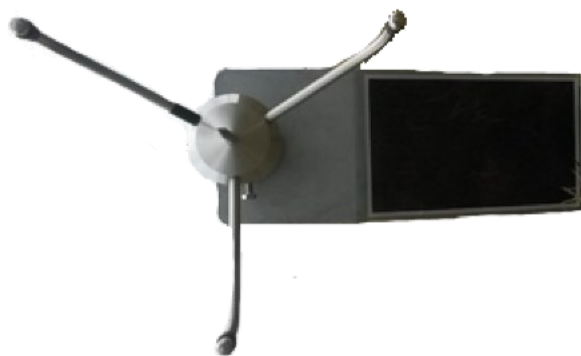
In addition to the solar panel, **the tropical solar power supply** allows you to connect a 6V AC power supply if necessary.

Thanks to this autonomous solar power system, it's easy to install an ALIZIA 380 wind sensor in even the most remote areas!

## Technical specifications

General	
Material	Galvanized steel
Dimensions	(L)42 x (W)16 x (H)20 cm
Weight (with battery)	4.8 kg
Weight (without battery)	4.1 kg
Diameter of the sensor holder	∅ 50 mm
Mast attachment	2 clamps

Enclosure	
Material	Cast aluminium
Dimensions	(L)20 x (W)10 x (H)8 cm
	2 x M8; ∅ 3 to 5 mm brass IP68
Cable gland	2 x M12; ∅ 6.5 to 8 mm brass IP68



ALIZIA 380 and its power supply seen from above

Solar panel	
Dimensions	154 x 168 mm
Power	1.1 Wc
Technology	Amorphous silicon
Tilt	15°

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Battery 6V / 6Ah	
Technology	NiMh
Voltage	6 Volts
Nominal capacity	6 Ah
Dimensions	(L)160 x (W)33 x (H)60 mm
Weight	700 g
Connector	M8 angled Binder plug 4 waterproof points
Operating temperature	-40 to +85°C

AC supply	
Input voltage	6 VAC
Maximum load voltage	6.7 volt
Charge limiter to avoid permanent charging of the battery.	



**Did you know that?**

Amorphous silicon can provide enough energy even under diffuse lighting. It is also one of the most environmentally friendly photovoltaic technologies because it contains no heavy metals!

