

## SECA solar generators

For Emergency Call Units

*Ready to use solar photovoltaic power supplies with a small solar module, a charge limitation and a high quality rechargeable battery.*

*France-Télécom authorization L 1106*



*Ex. : SECA B12C kit for a couple of RTC units*

*Technical details next pages*



### EXCELLENCE

Permanent charge, total independance  
All year round operation, even under cloudy weather

### RELIABILITY

Life time > 10 years  
Devlopped under CNET technical control

### COST-EFFICIENCY

No more primary batteries to dispose  
Maintenance savings

## TECHNICAL DETAILS

A **SECA** solar generator is compact product made of 3 parts :

■ **1 SOLEMS solar module** specially made for this purpose.

SOLEMS technology better converts all kind of lights as energy source, even very low intensities and diffusive sun under the clouds. Its due to the amorphous silicon photovoltaic material which better converts blue and green light, and can catch light from any direction, making it more efficient under winter tempered climates for instance.

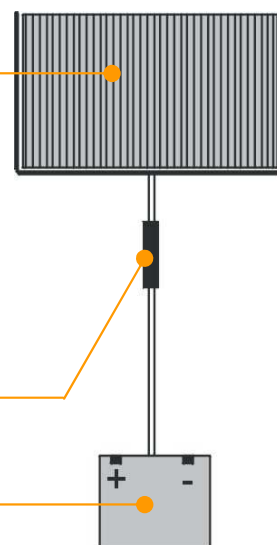
The modules are made with specific sizes adapted to standard ECU booths and are assembled on top of it horizontally with an anti-theft and anti-vibrations system. They are invisible and can last more than 10 years.

■ **1 charge limitation** built-in the output cable.

It protects the battery from overcharge and avoids its discharge during the night.

■ **1 sealed lead acid battery** AGM or gel technology.

It has excellent characteristics in low temperature conditions; has merely no self discharge and its life time is 7 to 10 years at 25°C.



More than 5000  
kits installed  
since 15 years,  
in France, Europe,  
Brazil, Canada...



- Any climate
- Module to be attached on top of the booth, horizontally, the battery inside (see. page 3).
- Different module sizes according to the unit's consumption (contact us)
- Working temperature : from -30°C to +65°C
- Life time > 8 years (floating at 25°C)
- 3 years warranty

## PRODUCT RANGE

All these SECA kits are delivered with built-in charge limitation, anti-vibration cushion and assembly kit.

	Solar module 6V 260 x 150 mm	Solar module 12V 260 x 150 mm	Solar module 12V 260 x 260 mm	Solar module 12V 300 x 260 mm
without battery	■ <b>SECA-B 06 0</b>	■ <b>SECA-B 12 0</b>	■ <b>SECA-G 12 0</b>	■ <b>SECA-R 12 0</b>
CYCLON battery 6V 8Ah	■ <b>SECA-B 06 C</b>			
CYCLON battery 12V 8Ah		■ <b>SECA-B 12 C</b>		
CYCLON battery 12V 16Ah			■ <b>SECA-G 12 C</b>	
Gel A412 battery 12V 8.5Ah		■ <b>SECA-B 12 A</b>		
Gel A412 battery 12V 20Ah			■ <b>SECA-G 12 A</b>	■ <b>SECA-R 12 A</b>
Gel GRANIT battery 12V 24Ah			■ <b>SECA-G 12 G</b>	■ <b>SECA-R 12 G</b>

*Example : Kit SECA-B 12 C = 12V version with 260 x 150 mm – module, charge limitation and 12 V Cyclon battery (cf. picture on page 1)*

[www.solems.com](http://www.solems.com)

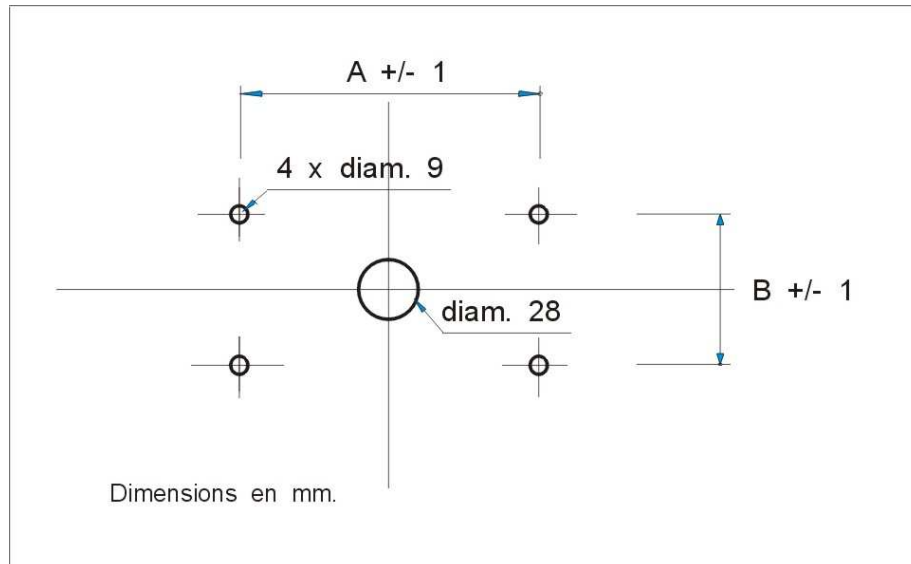
**SOLEMS S.A.**

3 rue Léon Blum F 91120 PALAISEAU- Phone : 33 (0) 1 69 19 43 40 – Fax 33 (0) 1 60 13 37 43- info@solems.com

## SOLAR MODULE SET-UP

### 1. Booth top drilling

Five circular holes have to be made on the flat part of the booth-top : 4 for the fixing screws, 1 for the electrical cable. See drawing below. Place it in the center of the available surface.



6V module  
260 x 150 mm  
**SECA-B**

12V module  
260 x 150 mm  
**SECA-B**

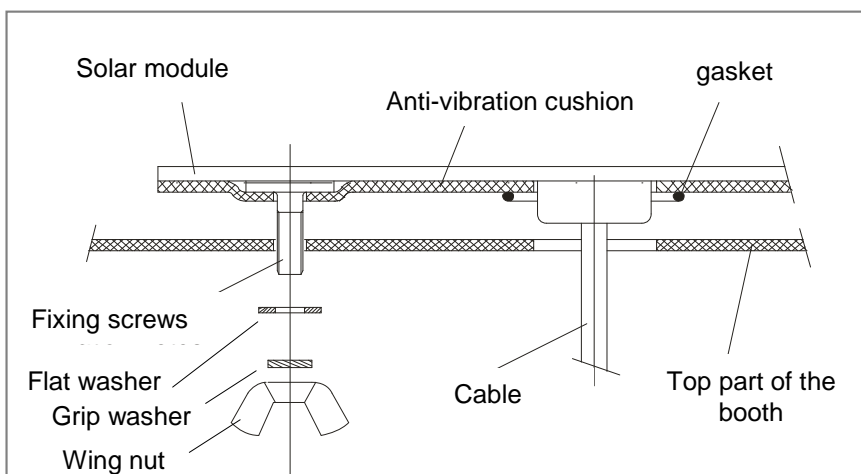
12V module  
260 x 260 mm  
**SECA-G**

12V module  
300 x 260 mm  
**SECA-R**

<b>A</b> (in mm)	<b>140</b>	<b>140</b>	<b>140</b>	<b>151</b>
<b>B</b> (in mm)	<b>70</b>	<b>70</b>	<b>70</b>	<b>132</b>

### 2. Module set-up

- Check the position of the cushion is properly placed on the screws
- Pass the cable through the central hole
- Place the 4 screws into the 4 lateral holes and check the position of the gasket around the central hole
- From the inside of the booth, place the 8 washers, and the 4 nuts in the right order (see below) and screw them by hand.



### 3. Electrical connections

Place the battery inside the unit and connect the solar module to the battery.

**CAUTION** : PAY ATTENTION TO POLARITIES (see below)

