

ABSTRACT**CONTINUOUS ELECTRIC POWER SUPPLY CIRCUIT REGULATED BY A
REVERSIBLE CONVERTER**

The field of the invention concerns the protection against power supply failures, in particular of electronic circuits of timepieces whose electric power supply is a photovoltaic battery.

The invention provides an electric continuous power supply comprising :

- an electrical continuous source (G) coupled to a power output (VDD, GND);
- energy storing means (4); and
- a reversible dc/dc electric converter (5) coupled on a one hand to the power output (VDD, GND), and on the other hand to the energy storing means (4); the converter (5) comprising switching means (T1, T2, T3, T4) for modifying its configuration.

According to the invention, the power supply storing means (4) comprise essentially a capacitor (C).

Preferably, the reversible converter (5) is a dc/dc converter, the converter being a voltage multiplier in the first configuration, and being a voltage divider in the second configuration.

Figure 1