

Sustainable Control System of Solar Battery Power

FIELDS OF APPLICATION:

Alternative electric power sources based on the solar batteries:

- self-contained systems of domestic power supply;
- stand-by supply systems;
- intelligent power supply networks (Smart Grid).

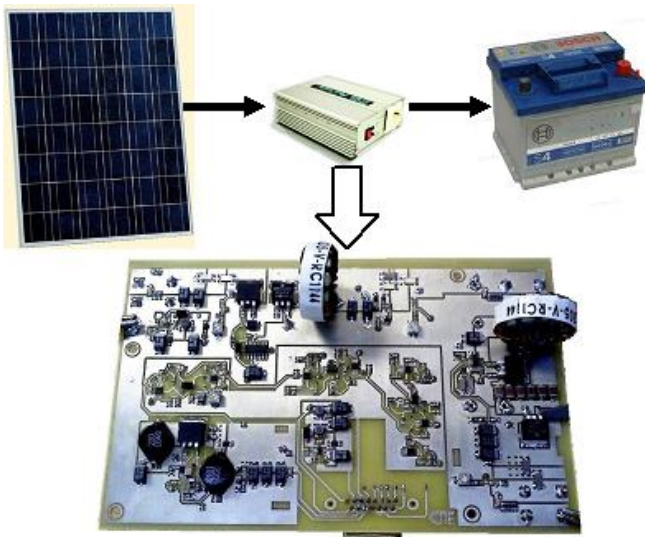
Possible to use in corporate business and on manufacturing enterprises:

- on Housing and Utilities enterprises;
- by private persons.

MAIN FEATURES AND BENEFITS:

- Accumulator charge with an output voltage of 12 V
- Stabilization system of photovoltaic converter power maximum point
- Output power of 180 W, possible to increase up to 1000 W
- Improved working algorithm
- High efficiency of solar emission conversion
- Higher efficiency in changing weather conditions in comparison with analogs
- Possible to connect different loads without efficiency decrease

CONSTRUCTION:



- Photovoltaic converter («solar modulus»)
- Accumulator battery
- Printed circuit board of own design with:
 - microcontroller control system;
 - pulse voltage converter.
- Software of own design

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