

Installation Guide: Backup Power System (Grid + Solar, 1 Phase)

This system allows switching between Grid and Solar sources safely using a Synchro Check Relay and ATS.

Components:

- Synchro Check Relay (e.g. Schneider RM96R)
- ATS (Automatic Transfer Switch)
- Breakers for each source
- Terminal block
- Load

Settings:

- Phase difference max: +/-10 degrees
- Frequency range: 49.8 to 50.2 Hz

Important: Install only by certified electrician.

Refer to the wiring diagram below:

