

## Abstract

The idea of the UPS system development is not that much new but the development of the UPS carrying flexible fetchers is carried out. Efforts for reduction of analog components replaced by the micro controller circuits are carried out.

Micro controller based inverter as well as micro controller based rectifier successfully developed. The programming carried out here is of very simple kind. The same scheme can be implemented into the complex programming for the batter results.

Change of programming can convert this UPS into the very protective device, drives with back up, power factor corrector or any other applications which requires controlled rectifier as well as inverter with DC link.