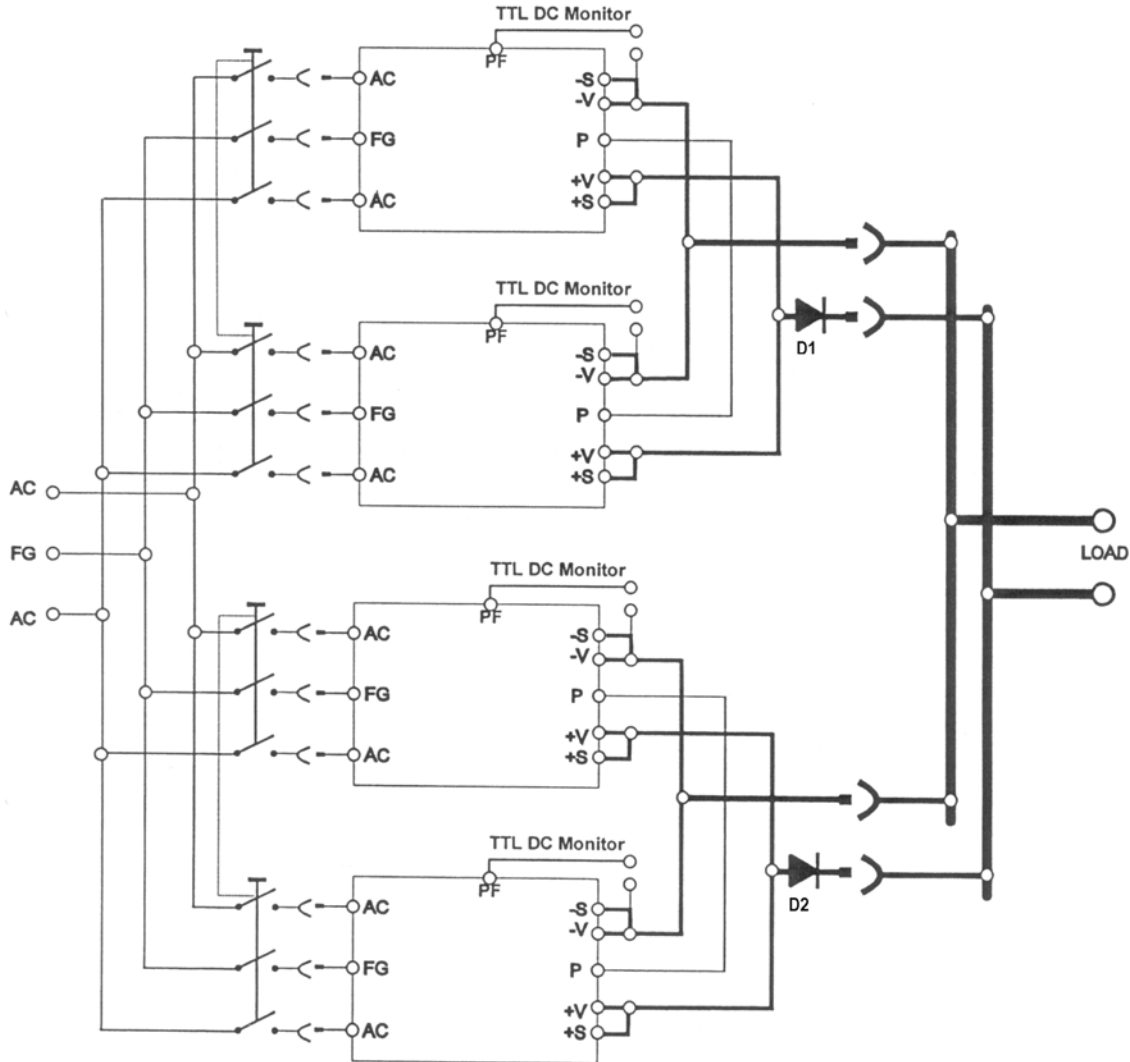




HOT SWAP REDUNDANT SYSTEM USING DECOUPLING DIODES

Valid for the ETA series:

WRF, WRP, WRG, FHF, FHP, FHG, FHH



REMARKS ABOUT HOT SWAP REPLACEMENTS:

1. At normal operation the main system will feed the full required power to the load.
In case of a default within the main system, the redundant unit will uninterruptible take over and supply the full required power to the load. (from 160A, OCP@180A)
2. Make sure the redundant systems is precisely pre-trimmed 0.2V below the voltage of the main system.
3. Spare systems can be preset to the required voltage offline at no load. Tolerance of each supply $\leq \pm 50\text{mV}$. (The lowest voltage supplied into the power sharing chain will automatically form the reference Vref).
4. Hot swap procedure:
 - Determine the faulty unit by checking the DC output monitor signal.
 - Carefully preset the output voltage of your spare unit.
 - Turn off local AC switch and replace the faulty unit.
 - Turn on local AC switch.
5. The diodes D1, D2 must be 2 to 3 time higher than the output current to the units.