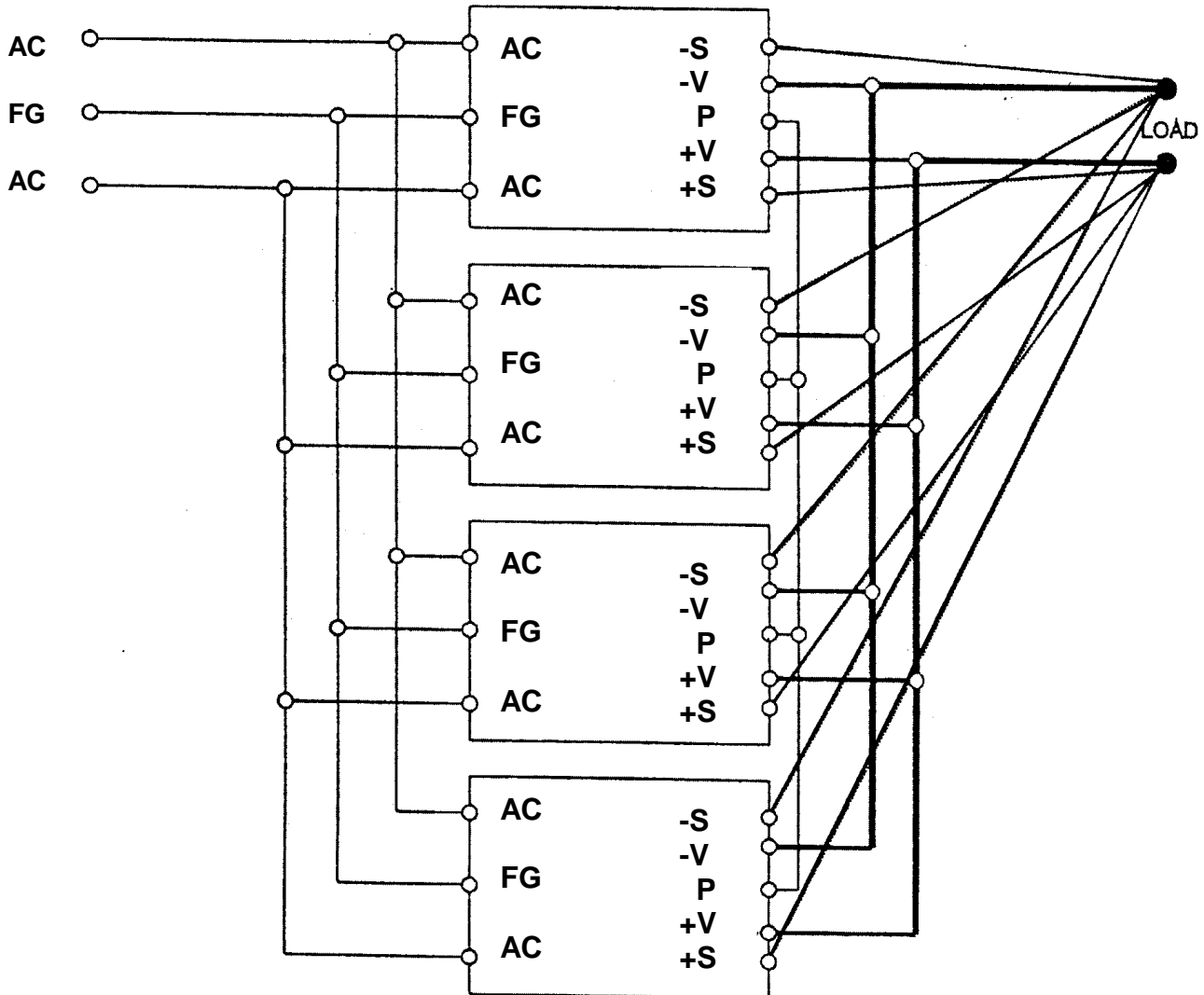




PARALLELING ETA POWER SUPPLIES & USING REMOTE SENSE-LINES

Valid for the series: WRF, WRP, WRG, FHF, FHP, FHG, FHH



REMARKS ABOUT PARALLELING:

1. Each unit shall be preset to the required voltage at no load. Tolerance max. +/-50mV.
The lowest voltage supplied to the chain will be reference voltage
2. Remote sensing is prohibited for systems using more than 4 units in parallel connection.
Sense lines should be connected as advised in the attached drawings. Separately twist each wire pair. The ends of all sense wires shall be "star-connected" at one reference point.
3. Total output power of a parallel system with N power supplies: $P(\text{tot}) = N \times 0.9 \times P(\text{unit})$
4. For systems with many parallel units, following physical parameters are becoming critical:
Total inrush & input current, total leakage current, total power factor, output wiring, ventilation, EMC, redundancy!
It is subject to the installer to adjust the system by considering these parameters.
5. It is responsibility of the installer of our power supplies to guarantee the safety of his system.
6. Recommended voltage drop of output line is at most 0.15V for both "+" and "-" lines.