

6. A study on the suppressing method of Hunting during parallel running of Alternator equipped with converter

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This paper is the result of research for suppressing the alternator hunting which comes about during the parallel running of the four-pole six-phase alternators. The alternator is equipped with converter made out of twelve diodes to rectify all the waves. During the parallel running, the hunting comes about at the speed range of 94[%] ~ 88[%] when alternator's load is the battery. This hunting is not come about from the general hunting causes which have been already known to, but the special case. To suppress the hunting, after every possible means applied to, the equalizing line was connected between the same phase of the alternator to flow the synchronizing current which synchronize the phase of the alternator electromotive forces, by which the alternator can be run in parallel without hunting.

