Large-Scale UPS System

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1. Intoroduction

Computer information networks are spreading rapidly with the development of electronic technology from enterprises to offices, and even to the home. Various electronic equipment, especially computers, require a stable supply of electric power since computer stoppages have a huge impact on a large information system such as a computer center, even for momentary power failures.

The role of UPS systems in supplying high quality electric power for 24 hours/day, 365 days/year is critical in such computer systems. This paper describes the technical aspects of the large-scale UPS "SANUPS 300II", based on an actual example of a highly reliable large-scale UPS for an on-line computer system delivered to TheNichido Fire & Marine Insurerance Co.,Ltd.

2. UPS System Configuration
   - 2.1 Outline of the System
   - 2.2 Features of the System and UPS
3. Operation Characteristics
   - 3.1 AC Input Characteristics
   - 3.2 AC Output Characteristics
   - 3.3 Parallel Operation Characteristics
   - 3.4 Transient Characteristics
4. Large-scale UPS Series
5. Conclusion

Outside appearance of
parallel redundant UPS system

SANYO DENKI Technical Report
No.1 May - 1996