

Searching for Manufacturing the Mid-scale UPS

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1. Introduction

As the market of computers expands, requirements for uninterruptible power supply units (UPS), which protect computers from power interruptions, are becoming increasingly diverse. In order to meet the requirements, we reconsidered manufacturing free from conventional ideas and focused on the structure of the cabinet in order to manufacture compact, light-weight products, improve productivity, reduce cost and reduce lead time.

This paper describes the results obtained.

2. Background

3. Producing Compact, Light-weight Products

- 3.1 Structure of Frame
- 3.2 Configuration of Parts
- 3.3 Reduction of Parts
- 3.4 Standardization by Substitution
- 3.5 Uniformity of Thickness of Steel Plate

4. Improvement of Productivity

- 4.1 Block Assembly Method
- 4.2 Concept of Manufacturing Method for Painting
- 4.3 Review of Transfer, Installation and Maintenance

5. Countermeasure for Shortening Production Time

- 5.1 Shortening the Lead Time
- 5.2 Choosing Exterior and Interior Colors

6. Conclusion

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