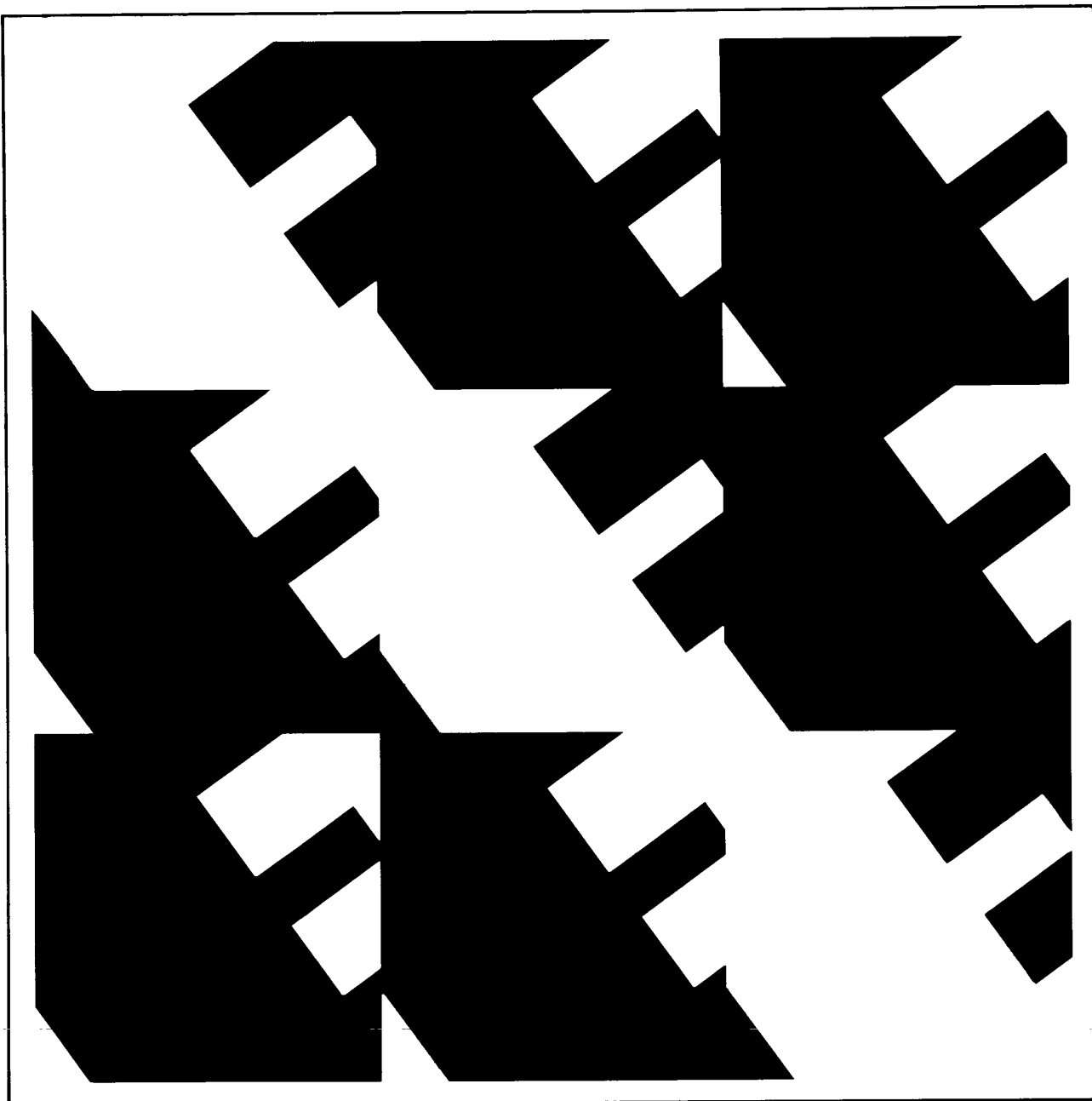


IEEE Recommended Practice for Installation Design and Installation of Large Lead Storage Batteries for Generating Stations and Substations

ANSI/IEEE Std 484-1987



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An American National Standard

**IEEE Recommended Practice for
Installation Design and Installation of
Large Lead Storage Batteries for
Generating Stations and Substations**

Sponsor
**Power Generation Committee
of the
IEEE Power Engineering Society**

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Foreword

(This Foreword is not a part of IEEE Std 484-1987, IEEE Recommended Practice for Installation Design and Installation of Large Lead Storage Batteries for Generating Stations and Substations.)

Large stationary lead storage batteries play an ever-increasing role in substation and generating station control and power systems and in providing the back-up energy for emergencies. This recommended practice fulfills the need within the industry to provide common or standard practices for the design of battery installations and the battery installation procedures. The methods described are applicable to all installations and battery sizes.

This recommended practice may be used separately, and when combined with ANSI/IEEE Std 450-1987, IEEE Recommended Practice for Maintenance, Testing and Replacement of Large Lead Storage Batteries for Generating Stations and Substations, and ANSI/IEEE Std 485-1983, IEEE Recommended Practice for Sizing Large Lead Storage Batteries for Generating Stations and Substations, will provide the user with a general guide to sizing, designing, placing in service, maintaining and testing a large storage battery installation. A companion standard, ANSI/IEEE Std 535-1986, provides a Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations. This revision of IEEE Std 484-1981 includes Supplement IEEE Std 484a-1984.

This recommended practice correlates and summarizes industry practices; it is not intended to be an exhaustive compilation or a rigid procedure manual. It is a document in which procedures and positions preferred by the IEEE are presented.

The IEEE will maintain this recommended practice current with the state of the technology. Comments on this recommended practice and suggestions for additional material that should be included are invited. These should be addressed to:

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