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Electrical energy storage (EES) systems –
Part 3-200: Planning and performance assessment of electrical energy storage systems – Design principles of electrochemical based EES systems

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IEC Secretariat
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ELECTRICAL ENERGY STORAGE (EES) SYSTEMS –

Part 3-200: Planning and performance assessment of electrical energy storage systems – Design principles of electrochemical based EES systems

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Draft	Report on voting
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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Report is English.

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- withdrawn, or
- revised.

ELECTRICAL ENERGY STORAGE (EES) SYSTEMS –

Part 3-200: Planning and performance assessment of electrical energy storage systems – Design principles of electrochemical based EES systems

1 Scope

This part of IEC 62933, which is a Technical Report, presents an overview and design cases of electrochemical based EES systems in power generation side, transmission and distribution side, and customer side. Furthermore, design principles for electrochemical based EES systems such as sizing and selection of subsystem, integration scheme, site and layout, and system safety measures are provided.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62933-1:2024, *Electrical energy storage (EES) systems – Part 1: Vocabulary*

IEC TS 62933-3-2:2023, *Electrical energy storage (EES) systems – Part 3-2: Planning and performance assessment of electrical energy storage systems – Additional requirements for power intensive and renewable energy sources integration related applications*

IEC TS 62933-3-3, *Electrical energy storage (EES) systems – Part 3-3: Planning and performance assessment of electrical energy storage systems – Additional requirements for energy intensive and backup power applications*