

INTERNATIONAL STANDARD

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**Electrical energy storage (EES) systems –
Part 2-1: Unit parameters and testing methods – General specification**

**Systèmes de stockage de l'énergie électrique (EES) –
Partie 2-1: Paramètres unitaires et méthodes d'essai – Spécifications générales**



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ELECTRICAL ENERGY STORAGE (EES) SYSTEMS –**Part 2-1: Unit parameters and testing methods – General specification**

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The text of this International Standard is based on the following documents:

FDIS	Report on voting
120/109/FDIS	120/115/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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ELECTRICAL ENERGY STORAGE (EES) SYSTEMS –

Part 2-1: Unit parameters and testing methods – General specification

1 Scope

This part of IEC 62933 focuses on unit parameters and testing methods of EES systems. The energy storage devices and technologies are outside the scope of this document. This document deals with EES system performance defining:

- unit parameters,
- testing methods.

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 60364-6, *Low voltage electrical installations – Part 6: Verification*

IEC 61000-4-7, *Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto*

IEC 61400-21, *Wind turbines – Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines*

IEC TR 61850-90-7, *Communication networks and systems for power utility automation – Part 90-7: Object models for power converters in distributed energy resources (DER) systems*

IEC 61936-1, *Power installations exceeding 1 kV a.c. - Part 1: Common rules*

IEC 62933-1¹, *Electrical energy storage (EES) systems – Part 1: Vocabulary*

3 Terms, definitions, abbreviated terms and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62933-1 apply.

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¹ Under preparation. Stage at the time of publication: IEC FDIS 62933-1:2017