

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Low voltage electrical installations –  
Part 5-57: Selection and erection of electrical equipment – Erection of  
stationary secondary batteries**

**Installations électriques à basse tension –  
Partie 5-57: Choix et mise en œuvre des matériels électriques – Mise en œuvre  
des batteries d'accumulateurs stationnaires**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LOW VOLTAGE ELECTRICAL INSTALLATIONS –

Part 5-57: Selection and erection of electrical equipment –  
Erection of stationary secondary batteries

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

Draft	Report on voting
64/2558/FDIS	64/2561/RVD

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 International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

The reader's attention is drawn to the fact that Annex E lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this document.

A list of all parts in the IEC 60364 series, published under the general title *Low voltage electrical installations*, can be found on the IEC website.

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## LOW VOLTAGE ELECTRICAL INSTALLATIONS –

### Part 5-57: Selection and erection of electrical equipment – Erection of stationary secondary batteries

#### 570.1 Scope

This part of IEC 60364 provides requirements and recommendations for the design, erection, correct use and protection of installations with secondary stationary batteries as energy storage medium, hereinafter referred to as "stationary secondary batteries".

This document is not applicable to products such as batteries and to systems design (including batteries) which are already covered by their own IEC standard.

#### 570.2 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 60364-4-41, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock*

IEC 60364-5-53:2019, *Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection for safety, isolation, switching, control and monitoring*

IEC 60364-5-54, *Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors*

IEC 60364-8-82, *Low-voltage electrical installations – Part 8-2: Prosumer's low-voltage electrical installations*

IEC 60896-21, *Stationary lead-acid batteries – Part 21: Valve regulated types – Methods of test*

IEC 61340-4-1, *Electrostatics – Part 4-1: Standard test methods for specific applications – Electrical resistance of floor coverings and installed floors*

IEC 61000-1, *Short-circuit currents in d.c. auxiliary installations in power plants and substations – Part 1: Calculation of short-circuit currents*

IEC 61660-2, *Short-circuit currents in d.c. auxiliary installations in power plants and substations – Part 2: Calculation of effects*

IEC 62485-2, *Safety requirements for secondary batteries and battery installation – Part 2: Stationary batteries*

IEC 62619:2017, *Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications*