

STN	Solárne tepelné elektrárne Časť 3-2: Systémy a súčasti Všeobecné požiadavky a skúšobné metódy na veľkorozmerné parabolické žľabové kolektory	STN EN IEC 62862-3-2 33 3180
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Solar thermal electric plants - Part 3-2: Systems and components - General requirements and test methods for large-size parabolic-trough collectors

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/19

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Solar thermal electric plants - Part 3-2: Systems and
components - General requirements and test methods for large-
size parabolic-trough collectors
(IEC 62862-3-2:2018)

Centrales électriques solaires thermodynamiques - Partie 3-
2: Systèmes et composants - Exigences générales et
méthodes d'essai des capteurs cylindro-paraboliques de
grande taille
(IEC 62862-3-2:2018)

Solarthermische Kraftwerke - Teil 3-2: Systeme und
Komponenten - Allgemeine Anforderungen und
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EN IEC 62862-3-2:2018 (E)**European foreword**

The text of document 117/87/FDIS, future edition 1 of IEC 62862-3-2, prepared by IEC/TC 117 "Solar thermal electric plants" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62862-3-2:2018.

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IEC 62817:2014 NOTE Harmonized as EN 62817:2015 (not modified).

Annex ZA (normative)

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 9488	1999	Solar energy - Vocabulary	EN ISO 9488	1999
ISO 9806	2017	Solar energy - Solar thermal collectors - Test methods	EN ISO 9806	2017
IEC/TS 62862-1-1	2018	Solar thermal electric plants - Part 1-1: Terminology	-	-



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NORME INTERNATIONALE



**Solar thermal electric plants –
Part 3-2: Systems and components – General requirements and test methods for
large-size parabolic-trough collectors**

**Centrales électriques solaires thermodynamiques –
Partie 3-2: Systèmes et composants – Exigences générales et méthodes d'essai
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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Solar thermal electric plants –

Part 3-2: Systems and components – General requirements and test methods for large-size parabolic-trough collectors

Centrales électriques solaires thermodynamiques –

Partie 3-2: Systèmes et composants – Exigences générales et méthodes d'essai des capteurs cylindro-paraboliques de grande taille

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SOLAR THERMAL ELECTRIC PLANTS –**Part 3-2: Systems and components – General requirements and test methods for large-size parabolic-trough collectors**

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

FDIS	Report on voting
117/87/FDIS	117/89/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.

A list of all parts in the IEC 62862 series, published under the general title *Solar thermal electric plants*, can be found on the IEC website.

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SOLAR THERMAL ELECTRIC PLANTS –

Part 3-2: Systems and components – General requirements and test methods for large-size parabolic-trough collectors

1 Scope

This part of IEC 62862 specifies the requirements and the test methods for the characterization of a large-size parabolic-trough collector.

This document covers the determination of optical and thermal performance of parabolic-trough collectors, and the tracking accuracy of the collector one-axis tracking system. This test method is for outdoor testing only.

This document applies to parabolic-trough collectors equipped with the manufacturer-supplied sun tracking mechanism.

The test method in this document does not apply to any collector under operating conditions where phase-change of the fluid occurs.

This document applies to the whole collector.

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 TS 62862-1-1, *Solar thermal electric plants – Terminology*

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