

BS EN 62509:2011



BSI Standards Publication

# Battery charge controllers for photovoltaic systems — Performance and functioning

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**National foreword**

This British Standard is the UK implementation of EN 62509:2011. It is identical to IEC 62509:2010.

The UK participation in its preparation was entrusted to Technical Committee GEL/82, Photovoltaic Energy Systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2011.

**Amendments issued since publication**

Amd. No.	Date	Text affected
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62509**

September 2011

ICS 27.160

English version

**Battery charge controllers for photovoltaic systems -  
Performance and functioning  
(IEC 62509:2010)**

Contrôleurs de charge de batteries pour  
systèmes photovoltaïques -  
Performance et fonctionnement  
(CEI 62509:2010)

Leistung und Funktion von Photovoltaik-  
Batterieladereglern  
(IEC 62509:2010)

This European Standard was approved by CENELEC on 2011-01-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## Foreword

The text of document 82/614/FDIS, future edition 1 of IEC 62509, prepared by IEC TC 82, Solar photovoltaic energy systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62509 on 2011-01-20.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

This standard is to be used in conjunction with EN 62093.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2012-03-02 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2014-01-20 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62509:2010 was approved by CENELEC as a European Standard without any modification.

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## **Annex ZA** (normative)

### **Normative references to international publications with their corresponding European publications**

The following referenced documents are indispensable for the application 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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61836	-	Solar photovoltaic energy systems - Terms, definitions and symbols	-	-
IEC 62093	-	Balance-of-system components for photovoltaic systems - Design qualification natural environments	EN 62093	-