

AS/NZS 4509.1:2009

Reconfirmed 2017

AS/NZS 4509.1:2009

Australian/New Zealand Standard™

Stand-alone power systems

Part 1: Safety and installation



AS/NZS 4509.1:2009

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-042, Renewable Energy Power Supply Systems and Equipment. It was approved on behalf of the Council of Standards Australia on 16 September 2009 and on behalf of the Council of Standards New Zealand on 4 December 2009. This Standard was published on 21 December 2009.

The following are represented on Committee EL-042:

Australian Industry Group
Clean Energy Council
Electrical Regulatory Authorities Council
Electrical Safety Organisation (New Zealand)
Electricity Engineers Association (New Zealand)
ElectroComms and Energy Utilities Industries Skills Council
Energy Efficiency and Conservation Authority of New Zealand
Energy Networks Association
Institution of Professional Engineers New Zealand
Ministry of Economic Development (New Zealand)
National Electrical and Communications Association
New Zealand Electrical Institute
Research Institute for Sustainable Energy
Sustainable Electricity Association (New Zealand)
The University of New South Wales

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 08125.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**RECONFIRMATION
OF
AS/NZS 4509.1:2009
Stand-alone power systems
Part 1: Safety and installation**

RECONFIRMATION NOTICE

Technical Committee EL-042 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 10 October 2016.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 13 December 2016.

The following are represented on Technical Committee EL-042:

Australasian Fire and Emergency Service Authorities Council
Australian Energy Council
Australian Energy Market Operator
Australian Industry Group
Australian PV Institute
Australian Solar Council
Clean Energy Council
Clean Energy Regulator
Construction, Environment and Workplace Protection, ACT Government
Consumer Electronics Suppliers Association
CSIRO
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Electrical Safety Organisation (New Zealand)
Electricity Engineers Association (New Zealand)
Energy Networks Association
Engineers Australia
Institute of Electrical and Electronics Engineers
Institute of Electrical Inspectors
Joint Accreditation System of Australia and New Zealand
Master Electricians Australia
National Electrical and Communications Association
New Zealand Electrical Institute
NSW Fair Trading
Office of the Technical Regulator (SA)
Solar Energy Industries Association
Sustainable Electricity Association New Zealand
Sustainable Energy Association
The University of New South Wales
Worksafe New Zealand

NOTES

AS/NZS 4509.1:2009

Australian/New Zealand Standard™

Stand-alone power systems

Part 1: Safety and installation

Originated in Australia as AS 4509.1—1999 and AS 4509.3—1990.
Jointly revised, amalgamated and designated as AS/NZS 4509.1:2009.

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6140

ISBN 0 7337 9343 6

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-