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AS 4777.2-2005 Grid connection of energy systems via inverters - Part 2: Inverter requirements

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Abbreviation

AS 4777.2-2005

Valid from

20/05/2005

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies requirements for inverters with ratings of up to 10 kVA for single-phase systems, or 30 kVA for three-phase systems, and intended for connection to the low-voltage electricity distribution network (grid).

Scope

Although this Standard does not apply to larger systems, similar principles can be used for the design of such systems.

Although this Standard is written on the basis that the renewable energy is from a d.c. source (e.g. photovoltaic array), this Standard may be used for systems where the energy is from a variable a.c. source (e.g. wind turbine or micro-hydro system) by appropriate changes to the tests.

This Standard does not include EMC requirements. These are mandated by the Australian Communications Authority (ACA). Users attention is drawn to Australian Communication Authoritys document Electromagnetic Compatibility-Information for suppliers of electrical and electronic products in Australia and New Zealand for guidance.

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