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Standards New Zealand Author Standards New Zealand, Standards Australia Information type New Zealand Standard Format PDF

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Description

Information provider

This Standard applies to single-phase or polyphase, air-cooled (natural or forced) portable inverters having a rated supply voltage not exceeding 60 V ripple-free d.c. and an alternating current (a.c.) output where the rated output does not exceed 3 kVA; the rated output voltage is within the range 50 500 V a.c; and the rated frequency of the output is within the range 40 100 Hz.

It is applicable to isolated inverters, equipotentially bonded inverters and RCD protected inverters for household and similar use, use on construction sites, or providing an independent supply to electrical installations in buildings, vehicles, caravans, boats and the like. Inverters may be fitted with terminals for the connection of d.c. supply, an external flexible cord fitted with battery clips, an automobile cigarette lighter plug or other d.c. plug.

Scope

This Interim Standard applies to single-phase or polyphase, air-cooled (natural or forced) **portable inverters** having a **rated supply voltage** not exceeding 60 V ripple-free d.c. and an alternating current (a.c.) output where:

- the rated output does not exceed 3 kVA;
- the rated output voltage is within the range 50 500 V a.c;
- the rated frequency of the output is within the range 40 100 Hz.

This Interim Standard is applicable to inverters of the following types :

- · isolated inverters
- · equipotentialy bonded inverters
- RCD protected inverters

These inverters are for

- household and similar use,
- use on construction sites, or
- providing an independent supply to electrical installations in buildings, vehicles, caravans, boats and the like.

They may be fitted with terminals for the connection of d.c. supply or a **external flexible cord** fitted with battery clips or an automobile cigarette lighter plug or other d.c. plug.

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