

## SolarTech Power Solutions

# Angola outdoor inverter



## Overview

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Can inverters be installed outside?

As a rule, inverters designed for outdoor use may be installed either outdoors or indoors, however indoor inverters can only be installed indoors. The great majority of grid-tied or string inverters available today are designed for outdoor installation.

How to choose a site for installing an inverter?

When choosing the site for installing an inverter, it is essential that the environmental conditions specified by the manufacturer be maintained. There are both temperature and humidity requirements for these devices.

Can a grid-tied inverter be installed outside?

Like most electronic devices, inverters operate more efficiently at cooler temperatures. While most grid-tied inverters are designed for outside installation, they should not be mounted in direct sunlight, as this will degrade their efficiency. In addition to the lost output, the lifetime of the unit is likely to be shortened.

Should PV inverters be shaded?

Even though PV financial models generally include inverter replacements over the lifetime of the system, designing an installation to prolong inverter life rather than shorten it is the most sensible strategy. Thus, even inverters that incorporate robust outdoor packaging should be kept shaded, even if it means installing an awning over them.

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