

Home Solar PV Compliance Checklist

South Africa · For homeowners · Based on SANS 10142-1 and current registration rules · Reviewed October 2026 · solarpowerguide.co.za

Use this checklist to keep your installation safe, legal and insurable. Tick each item as you go. It summarises common requirements in plain language. It does not replace SANS 10142-1 or the judgement of the registered electrical contractor who certifies your installation.

1. Before you sign the quote

☐	Itemised quote names the brand and exact model of the panels, inverter and battery
☐	Mounting system is specified for your roof type (tile, IBR, corrugated, flat)
☐	DC isolators, fuses or breakers, surge protection and earthing are listed in the quote
☐	Certificate of Compliance (CoC) is included in the price
☐	Name of the registered electrical contractor who will issue the CoC: _____
☐	Their registration number with the Department of Employment and Labour: _____
☐	Written workmanship warranty from the installer (period: _____)
☐	Equipment is bought through official local distributors, so manufacturer warranties apply
☐	Optional: installer takes part in PV GreenCard, the voluntary quality programme run by SAPVIA

2. Grid connection and registration

Registration depends on whether the system can connect to the grid and on its size, not on whether it exports power (NERSA clarification, February 2026). Rules and fees can change, so confirm with Eskom or your municipality.

☐	Does the system have any point of connection to the grid? Yes / No (hybrid systems usually do)
☐	If yes: registered with Eskom or your municipality (systems under 100 kW). This applies even if the system never exports
☐	If yes and 100 kW or more: registered directly with NERSA
☐	If yes: the inverter is on your municipality's or Eskom's approved list (NRS 097-2-1)
☐	Approval received before connecting. Reference number: _____
☐	If no grid connection (fully off-grid): registration is not required, but a CoC still is

3. On installation day

☐	Panels fixed to the mounting manufacturer's specification, and all roof penetrations sealed
☐	Panel frames and mounting structure bonded and earthed
☐	Solar-rated, UV-resistant DC cable, neatly secured and protected where exposed
☐	DC isolator installed and clearly labelled
☐	Surge protection fitted on both the DC side and the AC side
☐	Inverter and battery in a ventilated spot, out of direct sun, with the manufacturers' clearances
☐	Battery installed and connected to the manufacturer's instructions, and communicating with the inverter
☐	Warning labels at the distribution board, inverter and isolators, with the shutdown procedure displayed

4. Commissioning and handover

☐	Inverter configured for your battery type, charge limits and grid settings
☐	Electrical contractor has tested the installation and issued the CoC. CoC number: _____ Date: _____
☐	As-built single-line diagram handed over
☐	Datasheets, serial numbers and warranty documents for every component handed over
☐	Monitoring app set up and handed over, and you know how to read it
☐	Insurer informed about the installation, with a copy of the CoC on file

Homeowner: _____ Date: _____ Electrical contractor: _____ Date: _____

Important. SANS 10142-1 (including part 1-2 for installations connected to the grid) is a copyrighted standard published by the South African Bureau of Standards and is available from the SABS webstore. This checklist is a free plain-language summary, not a copy of the standard. Requirements change, so confirm current rules with your municipality or Eskom. More guides at solarpowerguide.co.za. Free to print and share.