

**PIENAAR ENERGY (PTY) LTD**

**Solar power generation  
category II area**



## Overview

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FERC recently approved revisions to the NERC Rules of Procedure, requiring non-BES IBRs to register as Category 2 Generator Owners (GO) or Generator Operators (GOP) if they meet specific criteria. Applicability: Resources with an aggregate capacity of  $\geq 20$  MVA and connected at  $\geq 60$  kV. If your inverter-based resource (IBR) is 20MVA or more and interconnected at 60kV or higher, you will be subject to new NERC registration and compliance standards starting May 2026. These changes could impact your ability to operate or sell power if ignored. NAES can help you meet the new NERC IBR requirements, including fundamental areas of study. The five primary subject categories in related research were Multidisciplinary Materials Science, Applied Physics, Energy and Fuels, Physical Chemistry that redirect rays to a tall thin tower. Let's dive. On June 1, the NERC (North American Electric Reliability Corporation) provided updates to the ORCS (Organization Registration and Certification Subcommittee) to Standards Development for Category 2 IBR. If you missed our previous communication defining Category 2 IBRs, [click here](#).

## Solar power generation category II area

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### NERC Category 2 Compliance: New Registration Requirements

NERC has lowered the registration threshold to include assets connected at 60 kV+ and 20 MVA+. This means many inverter-based resources that were previously exempt now need to register with NERC. ...

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## SOLAR POWER GENERATION CATEGORY II AREAS

Land loss after installing the PV system must not exceed 10% of the total project area for category I (overhead systems with a vertical clearance above 2.1 metres) and 15% for category II



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48V 100Ah

### Evolving Compliance for Category 2 Generator Owners (GO2)

Solar PV and BESS with a combined capacity of 50 MVA at 69 kV - Meets Category 2 criteria. Wind generation with 15 MVA capacity at 69 kV - Does not meet the threshold.

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## NERC registration and Category 2 Registration

The North American Reliability Corporation (NERC) has introduced new terminology - Category 1 and Category 2 - to distinguish between different groups of inverter-based resources (IBRs) in its

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### INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



## Understanding the NERC Standards Development for Category 2

The NERC Rules of Procedure have been updated to make these Standards applicable to Category 2 IBR. Some of these standards are already part of ongoing projects, so they might still be

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## Land Requirements for Utility-Scale PV: An Empirical Update on ...

This article provides a much-needed update to estimates of utility-scale PVs land requirements, expressed via the metrics of power and energy density. We find that both power and energy density

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## NERC Category 2 Requirements



NERC Category 2 rules affect IBRs 20-75MW at  $\geq 60$ kV. Learn what's changing, who must register, and what's required by the May 2026 deadline.

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## 2025 Inverter-Based Resource Registration Initiative

The guide provides finalized and pending Reliability Standard compliance dates applicable to Category 2 registration. This document will be updated quarterly. NERC continues to develop new and modified ...



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## Summary of Land-Use Requirements for Solar Power Plants , YSG Solar

Click here to download the full report from the National Renewable Energy Laboratory and gain a greater understanding of the land-use requirements for solar power plants.

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## FERC Approves NERC's Expanded Registration Requirements

Analyze development-stage projects to determine if any will be required to register with NERC as a Category 2 GO or a Category 2 GOP. Prioritize this analysis for late-stage development ...

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