

Performance Monitoring & PR Analysis

Energy, Power & Renewables

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Analyses plant performance and performance ratio for a solar plant — actual vs expected generation, the performance ratio and losses (soiling, temperature, downtime, degradation) — with corrective actions. Use this to track and improve generation. For diagnosing a specific fault use the Fault Diagnosis Guide.

Purpose of this tool & output

Track performance ratio and generation

How the output is used

Use it to track performance ratio (PR) and generation — what to measure, how to compute PR and where losses hide.

Who should vet it

A plant engineer, to confirm the PR method and to investigate any persistent underperformance the analysis flags.

Important cautions

AI-generated analysis; based on the data you provide.

Companion documents

- O&M Operations SOP
- Preventive Maintenance Schedule
- Fault Diagnosis Guide
- Module Cleaning Schedule
- Warranty Management System
- Asset Register & Documentation

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.