

# National Photovoltaic Panel Radiation Testing Report



## Overview

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This report is available at no cost from the National Renewable Energy Laboratory (NREL) at [www.nrel.gov](http://www.nrel.gov). Deline, Chris, Dirk Jordan, Bill Sekulic, Josh Parker, Byron McDanold, and Allan Anderberg. PV Lifetime Project - 2024 NREL Annual Report.

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### [Datasets - PV Performance Modeling Collaborative \(PVPMC\)](#)

This time series dataset was collected from a single axis tracker (SAT) photovoltaic (PV) system in Albuquerque, New Mexico, USA, from 2023-06-13 to 2023-11-25 where the SAT was subject to

### NATIONAL Definition & Meaning

national designates one who may claim the protection of a state and applies especially to one living or traveling outside that state.



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### [Radiated High-Altitude Electromagnetic Pulse Testing of](#)

Abstract-High-altitude electromagnetic pulses pose an unknown risk to the electric power grid, and the vulnerabilities will continue to arise as the structure and needs of the grid change. This is especially



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### [PV Lifetime Project - 2024 NREL Annual Report](#)

Three related publications published in 2022 have made use of the PV Lifetime data included in this report, and can help provide greater context and additional information.



### [Photovoltaic Performance , Photovoltaic Research , NLR](#)

NLR scientists study the long-term performance, reliability, and failures of photovoltaic (PV) components and systems in-house and via external collaborations.

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## National Solar Radiation Database (NSRDB)

The National Solar Radiation Database (NSRDB) is an extensive collection of solar radiation data used by solar planners and designers, building architects and engineers, renewable

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## [Understanding Solar Photovoltaic System Performance](#)

This report presents a performance analysis of 75 solar photovoltaic (PV) systems installed at federal sites, conducted by the Federal Energy Management Program (FEMP) with support from National

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