

Technical Specifications for Decomposition of End-of-Life Photovoltaic Panels



Overview

Unless otherwise stated, this publication and material featured herein are the property of the International Renewable Energy Agency (IRENA) and the International Energy Agency Photovoltaic Power Systems (IEA-PVPS) and are subject to copyright by IRENA and IEA-PVPS. bifa Umweltinstitut and Canadian Standards Association are not responsible for any loss or damage which might occur when solar photovoltaic (PV) modules are used. Recommendations When solar projects reach the end of their expected performance period, there are several management options. They include extending the performance period through reuse, refurbishment, or repowering of the facility or fully discontinuing operations and decommissioning the project. Material in this publication may.

Technical Specifications for Decomposition of End-of-Life Photovoltaic



A comprehensive review on recycling end of life solar photovoltaic panels

This review outlines solar panel structures, evaluates current EoL recycling processes, and presents industrial-scale methodologies, emphasizing the need for sustainable solutions to ...

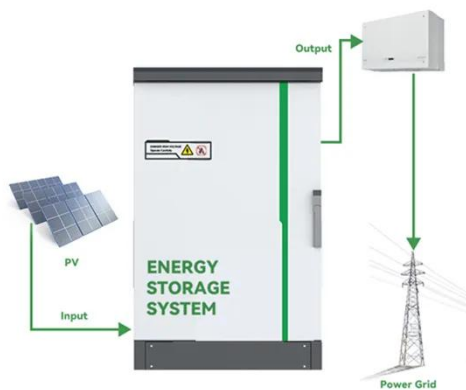
[Learn More](#)

Presentation

Historical data on EOL PV modules and components, e.g., technology type, count and weight, cause of end of life, timing, equipment condition, handling methods, dispositioning (reuse, recycle, landfill)



[Learn More](#)



DECOMMISSIONING SOLAR ENERGY SYSTEMS RESOURCE ...

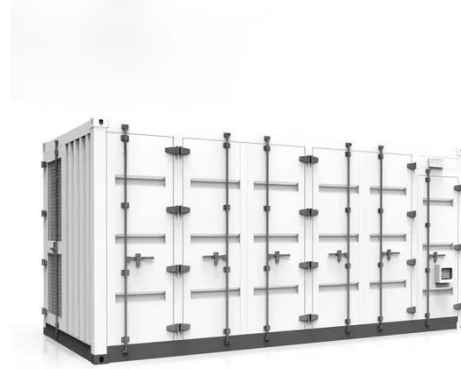
When solar projects reach the end of their expected performance period, there are several management options. They include extending the performance period through reuse, refurbishment, or repowering ...

[Learn More](#)

PV Module Design for Recycling Guidelines

Yet PV has not been designed with recycling at EOL in mind, and it presents challenges to returning embodied raw materials back to use in new products through recycling.

[Learn More](#)



A Review of End-of-Life Silicon Solar Photovoltaic Modules and the

Solar module recycling has to date been delineated into three phases: disassembly, delamination, and extraction.

[Learn More](#)

Photovoltaic (PV) Recycling, Reusing, and Decommissioning

A survey of current and forthcoming legislation and standards concerning the end-of-life for PV modules was carried out for the US and leading federal states (e.g., California, Washington, New York, New ...

[Learn More](#)



A Multi-Criteria AHP Framework for Solar PV End-of-Life ...

This study aims to establish a comprehensive approach for examining disposition alternatives and suggest

guidelines for PV EOL management.

[Learn More](#)



End-of-Life Management: Solar Photovoltaic Panels

This publication should be cited as: IRENA and IEA-PVPS (2016), "End-of-Life Management: Solar Photovoltaic Panels," International Renewable Energy Agency and International Energy Agency ...

[Learn More](#)



End-of-Life Management for Solar Photovoltaics

End-of-life management for photovoltaics (PV) refers to the processes that occur when solar panels and other components of a PV system (racking, inverters, etc.) are retired from operation.

[Learn More](#)



End-of-Life Management for Solar Photovoltaics

Solar module recycling has to date been delineated into three phases: disassembly, delamination, and

extraction.

[Learn More](#)



End of Life Management: Solar Photovoltaic Panels

Technical potential of materials recovered from end-of-life solar PV panels could exceed \$15 billion by 2050.

[Learn More](#)

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.v4venison.co.za>

