

**PIENAAR ENERGY (PTY) LTD**

# **Solar Photovoltaic Power Generation Compensation Standards**



## Overview

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This white paper can help guide a state as it considers issues associated with distributed generation valuation and compensation. The safe and reliable installation of photovoltaic (PV) solar energy systems and their integration with the nation's electric grid requires timely development of the foundational codes and standards governing solar deployment. Technological advances, new business opportunities, and legislative and. Mission is to advance a sustainable energy economy by educating, demonstrating and providing support for clean energy technologies practices, and policies. 37 states and DC have mandatory net metering rules. This. 2005: FERC 661 requires a wind power factor range of +/- 0. Maximum site design temperature?

Maximum possible.

## Solar Photovoltaic Power Generation Compensation Standards

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### Photovoltaics: Safety

Revised/updated every 3 years through a rigorous review process. The International Fire Code (IFC) establishes solar provisions relating to fire access and fire safety. Both IEC and ASTM Intl publish ...

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### Codes and Standards

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### Distributed Generation Compensation

Quarterly detail of state and utility distributed solar policy and rate design changes. 37 states and DC have mandatory net metering rules. 8 states have other DG compensation rules. Net Metering - ...

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## Distributed PV Compensation Mechanisms (Webinar Presentation)

In jurisdictions like the U.S. and Australia, most customers with solar PV developed their projects under Net Metering, or NET-FITs (see Training Sessions on FITs, Net Metering and NET-FITs)



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## Distributed Generation Valuation and Compensation

Assessing locational and temporal value of distributed generation and applying that in compensation schemes is a new and emerging field of study being explored by a handful of research organizations ...

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## Solar power generation land compensation standards

Provides guidance regarding the manner in which a solar photovoltaic facility may qualify as an Agricultural Solar Tariff Generation Unit ("ASTGU") under the Department of Energy

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18650<sup>3.7V</sup>  
Li-ion  
RECHARGEABLE BATTERY  
2000mAh



## Distributed Generation Regulation Library

This report provides an overview of the



short- and long-term advantages and disadvantages of "non-bypassable" fixed cost recovery charges for distributed solar photovoltaic (PV) program participants, ...

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## Reactive Power Compensation for Solar Power Plants

2016: FERC 827 requires all large non-synchronous generators to maintain a dynamic  $\pm 0.95$  at the high side of the project substation, at all generation levels.

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## Solar Photovoltaic Power Generation Compensation Standards

Concerns about climate change, the adoption of state-level renewable portfolio standards and incentives, and accelerated cost reductions are driving steep growth in U.S. renewable energy

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## Solar Interconnection Standards & Policies , US EPA

This report, produced by the National

Renewable Energy Lab (NREL), presents results from an analysis of distributed solar interconnection and deployment processes in the United States.

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