

**Espay Solar Energy S.L.**

# **Standard PV module prices in Democratic Republic of Congo**



## Overview

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Recent pricing trends show standard industrial systems (1-2MWh) starting at \$330,000 and large-scale systems (3-6MWh) from \$600,000, with volume discounts available for enterprise orders. The Democratic Republic of Congo receives an average 1,740 hours of sunlight per year. <sup>2</sup> The average cost of electricity for households. IZUBA is a solar energy company established in the Democratic Republic of Congo and headquartered in Goma / North-Kivu, that specializes in EPCM (engineering, procurement, construction and management) services for grid-tied and off-grid / mini-grid solar PV projects. IZUBA is committed to helping. As of 2024, prices for photovoltaic energy storage systems in Kinshasa vary based on capacity and technology: Note: Prices include batteries (lithium-ion), inverters, and installation. For a typical 5 kW (5,000 watt) solar panel system, that works out to \$14,750. Yet 40% of urban areas and 85% of rural communities still lack reliable electricity access according to 2023 World Bank data. Solar power isn't just. With 2,100–2,400 annual sunshine hours, Kinshasa offers ideal conditions for solar power generation. Local photovoltaic panel wholesalers are crucial in bridging the gap between global solar technology and Congo's growing energy needs. Did you know?

Over 65% of urban businesses in DR Congo now.

## Standard PV module prices in Democratic Republic of Congo



**Efficient  
Higher Revenue**

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPPT Trackers, 150% DC Input Overriding
- Max. PV Input Current 16A, Compatible with High Power Modules

**Intelligent  
Simple O&M**

- IP65 Protection Degree: support outdoor installation
- Smart I V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

**Flexible  
Abundant Configuration**

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead acid and Lithium Batteries
- Max. 6 units Inverter Parallel
- AFCI Function (Optional): when an arc fault is detected the inverter immediately stops operation

### Democratic Republic of Congo Solar Market 2025

DRC solar report 2025 covers solar irradiation, PV potential, grid access, and investment opportunities for renewable energy developers.

### SOLAR PHOTOVOLTAIC PANELS IN THE DEMOCRATIC ...

Ultra-white solar glass photovoltaic modules This specialized glass, with iron oxide content below 0.015%, achieves light transmittance rates exceeding 91%--compared to 88-89% for conventional ...



- LIQUID/AIR COOLING
- ON GRID/HYBRID
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES



### Prix en République du Congo de U de Module solaire photovoltaïque

UNITÉ D'OUVRAGE TLS010: MODULE SOLAIRE PHOTOVOLTAÏQUE. MESURES POUR ASSURER LA COMPATIBILITÉ ENTRE LES DIFFÉRENTS PRODUITS, ÉLÉMENTS ET SYSTÈMES ...

## DEMOCRATIC REPUBLIC OF CONGO

## RAIN RESISTANT ...

On 11 March 2025, the results of the China Datang Group's 2025-2026 PV module framework purchase tender were announced, with the spot price of n-type modules increasing from RMB0.7/W ...



## THE DEMOCRATIC REPUBLIC OF CONGO IN THE LIGHT OF THE

Recent pricing trends show standard home systems (5-10kWh) starting at \$8,000 and premium systems (15-20kWh) from \$12,000, with financing options available for homeowners.

## Price of Photovoltaic Energy Storage Systems in Kinshasa: Costs, ...

Kinshasa, the capital of the Democratic Republic of Congo, faces frequent power shortages despite abundant sunlight. Photovoltaic (PV) energy storage systems have become a cost-effective solution ...



## Local Solar Manufacturing in Congo (DRC): An Untapped Market

This analysis explores the business case for a local solar module production line



tailored to the specific needs of Congo's industrial sector. We'll examine how a local manufacturer can solve ...

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### **IZUBA - For a more electrifying Congo**

Depending on the electric load profile, battery technology, site configuration and other parameters, a fully installed and functional solar PV system of IZUBA will cost between 2250\$/kW and 4250\$/kW ...



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### **Photovoltaic Panels Price in DRC Your Complete Guide to Solar ...**

Looking for affordable solar panels near the Democratic Republic of Congo? This guide breaks down pricing trends, installation tips, and why solar energy is transforming homes and businesses across ...

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### **Kinshasa Photovoltaic Panel Wholesaler: Powering DR Congo's Solar**

Summary: Discover how Kinshasa-based

photovoltaic panel wholesalers are driving solar adoption in the Democratic Republic of Congo. Learn about market trends, technical innovations, and practical ...



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