

Price of popular photoprotection switches for Pakistan photovoltaic power plants



AI Overview

Photoprotection switches for solar PV systems in Pakistan range from PKR 1,450 for small residential DC isolators to PKR 14,500+ for industrial-grade 4-pole isolators, with MCCBs priced according to current and voltage ratings.

DC Isolator Switches DC isolators are mandatory safety devices on the DC side of PV installations, allowing safe maintenance without disconnecting AC mains. Prices in Pakistan (2026) vary by current and voltage rating :

- 2P 32A 1000V (residential 1–5 kW): PKR 1,800
- 2P 63A 1000V (5–15 kW hybrid): PKR 2,800
- 4P 100A 1000V (commercial 30 kW): PKR 5,500
- 4P 250A 1500V (industrial PV): PKR 12,500

Basic 2-pole 16A 600V panel-mount isolator: PKR 1,450

4-pole 125A 1500V rooftop combiner-mount isolator with IP66 enclosure: PKR 14,500+

All switches comply with IEC 60947-3, are load-break capable, and lockable for LOTO safety .

Molded Case Circuit Breakers (MCCBs) MCCBs provide overload and short-circuit protection for PV systems. Popular options in Pakistan include :

- 2P 250A DC MCCB, 1000V: High breaking capacity of 35kA, suitable for large battery banks and industrial PV arrays.
- 2P 200A DC MCCB: Can handle continuous loads up to 250A, with peak fault current protection up to 22kA–35kA. These MCCBs are user-friendly, reliable, and widely available from suppliers like Reliable Electric and Tomzn.pk.

Industrial Load-Break Switches For larger PV installations, SIRCO MC PV and GD series switch disconnectors provide true DC load-break capability, compact modular design, and remote or manual disconnection for safety and maintenance . Prices vary depending on manufacturer, current rating, and configuration, typically higher than standard DC isolators due to industrial-grade specifications.

Summary

Residential PV systems: DC isolators 1,450–2,800 PKR

Commercial PV systems: DC isolators 5,500 PKR, MCCBs 200–250A

Industrial PV...

Article Content

4E Analysis of solar photovoltaic, wind, and hybrid power systems in ...

This paper aims to bridge this gap by conducting a comprehensive fourfold analysis (energy, exergy, economic, and environmental) of solar photovoltaic systems, wind turbine systems,

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Power Switches & Controllers – Alladin Store

Explore advanced power management solutions, including voltage protectors, rotary changeover switches, and smart WiFi-enabled devices for monitoring and control.

Low Voltage Products Switches Applications in photovoltaic systems

1. Introduction Renewable energies offer humankind infinite sources of power with minimum environmental impact. ABB, as a leading manufacturer in the energy industry, has developed several

Pakistan's photovoltaic (PV) boom gains momentum amid rising ...

Global and local analysts, during the study launch, attributed Pakistan's rapid shift to photovoltaic as a unique, consumer-driven “solar rush” fueled by rising electricity costs, declining

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Cost-Benefit Analysis of Solar Photovoltaic Energy System in ...

The energy crisis in Pakistan has amplified the need for solar photovoltaic (PV) technologies in the agriculture sector. Currently, solar PV systems in Pakistan are primarily used for

A review of solar photovoltaic technologies: developments, challenges ...

This review paper provides a comprehensive analysis of solar photovoltaics, covering key aspects such as the historical development of PV technology, different photovoltaic cell types,

Photovoltaics

A photovoltaic system, or solar PV system is a power system designed to supply usable solar power by means of photovoltaics. It consists of an arrangement of several components, including solar panels

Techno-economic feasibility analyses of grid

This study aims to investigate and compare the techno-economic viability of grid-connected solar photovoltaic power plants for the manufacturing SME sector in four different districts

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Solar Molded Case Circuit Breaker MCCB Overload

Solar Molded Case Circuit Breaker MCCB Overload Protection Switch Protector for Solar Photovoltaic TOM7Z-2P-DC-1000V MCCB - 44 people are viewing this

Pakistan Photovoltaic Market | Analysis, Growth & Size 2032

Pakistan Photovoltaic Market: Import Trend Analysis Pakistan import trend for the photovoltaic market experienced a negative compound annual growth rate (CAGR) of -13.24% from 2020 to 2024. This

Optimizing solar incentives and grid infrastructure in Pakistan can ...

Investing in the grid and addressing inefficiencies in the power sector are necessary for greater renewable energy adoption August 21, 2024 (IEEFA Asia): As solar panel prices in Pakistan

KRIPAL UKPD32 DC Isolator Switch - PV Solar

Buy KRIPAL UKPD32 DC Isolator Switch for photovoltaic solar systems in Pakistan. Reliable solar protection with high performance, ideal for 1000V DC application...

Economic analysis and impact on national grid by domestic photovoltaic ...

Moreover, the energy cost is very high as it is mostly generated from conventional energy sources. Conversely, Pakistan has excellent potential for solar power generation as it lies near the

Sun Switch: Energy-Efficient Lighting Control Device –

Best Online Shopping website for Photocell Street Light Switch Auto On Off AS-10-220 in cheap price in Karachi, Lahore, Islamabad, Rawalpindi, Sukkur,

Switches and Sockets Price In Pakistan | Clopal Electric

Buy Switches and Sockets Online In Pakistan A switch is a simple device responsible for maintaining the electrical connection between the supply and the appliance. It's one of the best ways to connect it to

Solar power in Pakistan

Photovoltaic (PV) Solar Panels: The primary type of solar energy technology being adopted in Pakistan due to low price and ease of installation. In 2025, Pakistan had 689 certified PV installers who

Contact Us

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