

DC Isolator Switch for Solar Power Systems

This DC isolator switch is designed for use in 1-20KW inverter, controller, and DC combiner box applications. It effectively disconnects PV solar systems with an arcing time of less than 3ms.



ADDITIONAL IMAGES



Overview



Compact and professional design suitable for secure DIN rail installation.

High-Performance DC Isolation

The KYT series DC Isolator Switch is specifically engineered for residential and commercial solar power systems ranging from 1-20KW. It provides rapid disconnection with an arcing time of less than 3ms, ensuring maximum safety for inverters, controllers, and DC combiner boxes. Designed for both on-grid and off-grid applications, this switch offers a robust and reliable solution for isolating photovoltaic circuits during maintenance or emergencies.

Electrical Performance

Key Electrical Ratings

1200 V DC

Rated Voltage (Ue)

32 A

Max Rated Current

8 KV

Impulse Voltage (Uimp)

Available Rated Currents

- 16A
- 25A
- 32A

Technical Specifications

Operating Parameters

Parameter	Value
Function	Isolator, Control
Standard Compliance	IEC60947-3
Number of Poles	4P
Utilization Category	DC-21B
Arcing Time	< 3ms
Service Life	10 Years

Installation & Design

Mounting Type	DIN Rail Mounting
Safety Features	Off Lockable, Flame-Retardant, Overload Protection, Double Wire Disconnect

Applications



Versatile application scope from industrial control rooms to residential solar distribution.

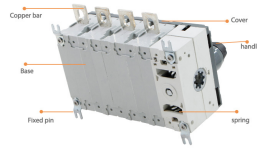
Application Scope

- Residential PV Systems
- Commercial PV Systems
- DC Combiner Boxes
- Telecommunications Rooms
- Industrial Automation Control
- Hospital Operating Rooms
- Computer Centers

Construction

PRODUCT DESCRIPTION

DC ISOLATION SWITCH



Detailed view of the internal construction including copper bars and robust spring-assisted handle.

Build Quality

- High-conductivity Copper Bars
- Spring-assisted Handle Mechanism
- Durable Base and Cover
- Fixed Pins for Secure Mounting