

DC Load Breaker Switch Disconnecter 160A 250A 630A 1500V

This DC load breaker switch disconnecter ensures the safe disconnection and connection of DC circuits under load. It is rated up to 1500VDC with a maximum current of 630A and is suitable for photovoltaic systems.



ADDITIONAL IMAGES



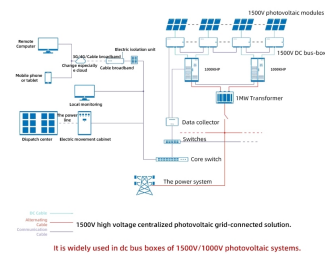
Product Overview

Special instructions

DNH19 series of products are dc load isolators, which can ensure the dc circuit is disconnected and connected under load, as well as safe isolation, and are mainly used in the field of photovoltaic systems. The rated voltage can reach 1500VDC and the maximum current can reach 630A.

Designed for reliable isolation in photovoltaic power systems.

Application scenarios



Application scenario for 1500V DC bus box systems.

High-Performance DC Load Disconnecter

The DNH19 series is a robust DC load breaker switch disconnecter engineered for demanding high-voltage applications, including photovoltaic systems and battery storage. Designed for safe disconnection and connection of DC circuits under load, this unit supports systems up to 1500VDC. It features premium construction with flame-retardant V0-grade materials and T2-grade copper contacts for enhanced performance and longevity.

Electrical Ratings

Key Performance Metrics

1500 VDC

Max Rated Voltage

630 A

Max Rated Current

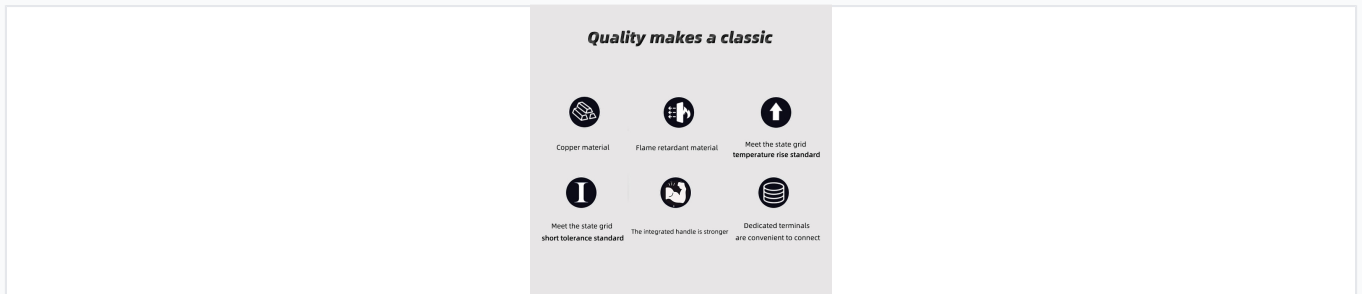
12 kV

Impulse Withstand Voltage

Technical Specifications

Parameter	Value
Insulation Voltage	1500V
Installation Category	IV
Usage Category	DC-21B
Dielectric Strength	3820V
Short-Time Tolerance (Icw/1s)	6kA - 10kA

Construction & Features



Quality construction featuring T2 grade copper and flame-retardant materials.

Key Design Features

- Flame retardant V0 grade material housing
- T2 grade copper material for optimal conductivity
- Contact embossing design for increased surface area
- Observation window for visual status verification
- Lockable handle for enhanced safety

Material Standards

Flame Retardant V0, T2 Copper, Integrated Handle

Installation & Environment

Operational Environment

- Altitude: d 2000m
- Pollution Level: 3
- No significant shaking or shock vibration
- Free from explosive hazards
- Free from corrosive gases or dust

Installation Methods

Inside Cabinet • Outside Cabinet