

## MidNite Solar DC Disconnect 175A



## MIDNITE SOLAR MINI DC DISCONNECT BOX - MNDC-175

### Midnite Solar, Mini DC Disconnect box with 175A breaker & din rail, 125VDC, MNDC175

White powder coated aluminum chassis with 175A/125VDC breaker and 5 dinrail breaker slots or 3 panel mount breaker slots. Listed by ETL for US & Canada.

Use this small DC disconnect, which includes the inverter breaker (not in the MNDC-C), to provide overcurrent protection for any single inverter. The MNDC comes with a DIN rail for five additional DC breakers for DC loads, a charge controller disconnect, and a battery-status monitor. They also include a ground bus, and a 5/16" bonding battery-negative stud. Mounting holes for a 500 A shunt are built in. The white powder-coated aluminum chassis measures 10"H x 5"W x 18"D and weighs 7 lbs. Three main-breaker sizes are available. Left-side main-breaker placement is available by special order.

The MNDC Plus version has an additional DIN rail allowing up to ten DIN-mount breakers. Two DIN rail cover plates and two panel-mount plates are included. The panel-mount plates allow for mounting the 3/4" 150 VDC breakers that range from 60 A to 100 A. Additional configurations include: an MNDCGFP80 with four panel-mount breakers, or one MNDC-GFP, one 3/4" panel-mount breaker and five DIN-mount breakers with a 125-250 A inverter breaker. Circuit breakers and DC GFP are sold separately. Mounting is provided for a 500 A shunt and an MNTBB-R terminal busbar. Battery-negative stud and ground busbar included.

The MNDC-C comes with an adapter attached to mount one of the smaller single-pole panel mount breakers, available in sizes from 1 A to 100 A (3/4 inch MNEDC panel mount breaker not included). Chassis is white powder coated aluminum with 5 DIN rail breaker slots or 3 panel mount breaker slots.

The MNDC175-L is a white powder coated aluminum chassis with 175A/125VDC breaker and 5 din rail breaker slots or 3 panel mount breaker slots. The 175 A breaker is located on the left side of the enclosure.

The MINI DC X2 versions have two DC battery breakers, one on each side of the enclosure. The MINI DC 125 X2 Disconnect is a white powder-coated aluminum enclosure while the MINI DC 175 X2 and the 250 X2 are powder-coated gray steel. They all come with the 125, 175 or 250 A battery breakers. The MNDC X2 accepts an additional five din-rail breakers or three panel-mount breakers. The boxes all come with grounding busbars and space to mount a 500 A shunt.

The MNDC125-X2 measures 25"H x 11"W x 4"D and weighs 13 lbs.

The MNDC175-X2 and the MNDC250-X2 measure 25"H x 16"W x 4"D and weigh 29 lbs.

#### Features

- **User Friendly** - Designed for easy installation and compatibility.

#### General Information

|                                    |                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------|
| Manufacturer:                      | Midnite Solar                                                                         |
| Product Line:                      | MN Series                                                                             |
| Model ID:                          | MNDC-175                                                                              |
| Certifications and Safety Ratings: |  |

#### Mechanical Data

|                 |                              |
|-----------------|------------------------------|
| Technology:     | Mini DC Disconnect Box       |
| Dimensions:     | 18.00 x 5.00 x 10.00 inches  |
| Weight:         | 7.00 lbs                     |
| Rated Amps:     | 175 Amps                     |
| Rated DC Power: | 125 VDC                      |
| Material:       | White Powder Coated Aluminum |