

you need AC or DC breakers?  
We've got them!

# MidNite Solar BREAKERS



MidNite's breakers are rated to break the full rated load at the rated voltage repeatedly, with NO DAMAGE. Always use a properly sized breaker for disconnecting.

All MidNite circuit breakers can be used at 100% rated current when mounted in a MidNite enclosure.

## POLARIZED MNEPV1 (1 thru 63 amps)

Example 15 amp: MNEPV15  
Discontinued approx. 2nd quarter 2021  
Replaced by MNEPV1-150-1PNP (1 thru 50)



Listed for US & Canada when used in MidNite Solar enclosures

150VDC din rail 1 mount breaker, width 0.5 in (13mm), wire size range - 14 to 6 AWG amps: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 20, 30, 40, 50, 60, 63, 10,000 AIC

**\$16.67 ea pk 12**  
**\$18.00 ea**

## POLARIZED MNEPV80 or MNEPV100



Listed for US & Canada when used in MidNite Solar enclosures

150VDC 80 or 100 amp Din rail mount breaker, width 1 in (26mm), wire size up to #2 AWG 10,000 AIC

**\$54.00 each**  
Discontinued approx. 2nd quarter 2021  
Replaced by MNEPV80-150-2PNP or MNEPV100-150-2PNP

## POLARIZED MNEPV7-300 (7 thru 50 amps)

Example 15 amp: MNEPV15-300



Listed for US & Canada when used in MidNite Solar enclosures

300VDC din rail mount breaker, wire size: 14 to 6 AWG, width - 1 in (26mm), amps: 7, 10, 12, 15, 20, 30, 50, 10,000 AIC

**\$38.00 each**  
Discontinued approx. 2nd quarter 2021. Replaced by MNEPV15-300 thru 50

## POLARIZED MNEPV16-600RT or MNEPV20-600RT



16 or 20 Amp 600 VDC Din Rail mount breaker. This breaker has the Remote Trip feature that allows it to work with our Battery Disconnect Module (MNBDM) and the Rapid Shutdown system. Wire Size: 14 to 6 AWG, Width - 2 in (52mm)

**\$125.00 each**  
Discontinued approx. 2nd quarter 2021  
Replaced by MNEPV15-600 thru 50

Listed for US & Canada when used in MidNite Solar enclosures

## NON POLARIZED **NEW!**

### MNEPV1-150-1PNP (1 thru 50)

Example 15 amp: MNEPV15-150-1PNP



150VDC din rail mount breaker, width 0.5 in (13mm), available in 1, 2, 5, 6, 10, 15, 20, 30, 40, 50 amps 10,000 AIC

**\$22 ea pk 12 or \$25 ea**

Listed for US & Canada

## NON POLARIZED **NEW!** MNEPV80-80-2PNP, MNEPV100-80-2PNP, MNEPV125-80-2PNP



150VDC 80 or 100 amp Din rail mount breaker, width 1 in (26mm), wire size up to #2 AWG 10,000 AIC Breaker is actually a single pole but is the width of 2. Width: 0.5"

**\$59 ea pk 6 or \$63 ea**

Listed for US & Canada

## NON POLARIZED **NEW!**

### MNEPV15-300-2PNP MNEPV20-300-2PNP MNEPV30-300-2PNP MNEPV40-300-2PNP MNEPV50-300-2PNP



300VDC two pole din rail mount breaker, width 1 in (26mm), available in 15, 20, 30, 40, 50 amps 10,000 AIC

**\$54 ea pk 6 or \$57 ea**

Listed for US & Canada

## NON POLARIZED **NEW!**

### MNEPV15-600-4PNP MNEPV20-600-4PNP MNEPV30-600-4PNP



600VDC din rail mount four pole breaker, width 2 in (52mm), available in 15, 20 and 30 amp 10,000 AIC

Listed for US & Canada

## POLARIZED MNDC-GFP63



63 amp 150VDC din rail mount DC ground fault protector. NEC 2008 requires DC-GFP's on all solar installations. Width 1 in (26mm) 10,000 AIC

**\$74 each**  
Discontinued approx. 2nd quarter 2021

Listed for US & Canada when used in MidNite Solar enclosures

## POLARIZED **NEW!** MNEPV1-300-1PP

Example 15 amp: MNEPV15-300-1PP



300VDC din rail mount single pole breaker, width 0.5 in (13mm), available in 15, 20, 30, 40, 50 3,000 AIC

**\$22 ea pk 12 or \$25 ea**

Listed for US, Canada listing pending

## POLARIZED **NEW!**

### MNEPV15-600-2PP MNEPV20-600-2PP MNEPV30-600-2PP MNEPV40-600-2PP MNEPV50-600-2PP



600VAC din rail mount two pole breaker, width 1 in (26mm), available in 15, 20, 30, 40, 50 amp 3,000 AIC

**\$54 ea pk 6 or \$57 ea**

Listed for US, Canada listing pending

## POLARIZED **NEW!** MNEPVRT30-600-3PP



600VDC din rail mount three pole breaker, 30 amp with 12VDC Remote Trip, width 1.5 in (39mm) 3,000 AIC

**\$95 each**

Listed for US, Canada listing pending

## NON POLARIZED MNDC-GFP80



80 amp 125VDC 13 panel mount DC ground fault protector, 1/2 amp trip mechanism, NEC 2008 requires DC-GFP's on all solar installations, width 1.5 in (39mm), 10,000 AIC

**\$74 each**

Listed for US & Canada

## NON POLARIZED

### MNEDC (5A thru 100A)

Example 15 amp: MNEDC15



150VDC panel mount breaker, width .75 in, 1/4 studs, available in 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 amps, 10,000 AIC

**\$22 each**

Listed for 120VAC and 150VDC

## NON POLARIZED

### MNEDC30-300 MNEDC60-300 MNEDC80-300



300 VDC panel mount breaker, width 1.5 in (39mm), 1/4 in studs, available in 30, 60 or 80 amps

**\$44 each**

## DC250 \$75 DC300 \$85 DCRT300 \$99



## NON POLARIZED MNEDC250-60-3P MNEDC300-60-3P MNEDCRT300-60-3P

Three pole panel mount breakers with all three poles in parallel, 1/4 in studs, the 300 amp has a bar connecting studs together. Width 1.5 in (39mm)

Listed for US & Canada

## POLARIZED MNDC-GFP50-300



50 amp 300VDC din rail mount ground fault protector. Trip current is 1 amp. Use this assembly on PV circuits that operate up to 300VDC when required. NEC 2008 requires DC-GFP's on all Solar installations. Width 2 in (52mm).

**\$129 each**  
Discontinued approx. 2nd quarter 2021  
Replaced by MNDC-GFP50-300-2PP

Listed for US & Canada

## NON POLARIZED MNEDC175, MNEDC250



125VDC panel mount breaker, studs 3/8 in width 1.5 in (39mm) AIC 50,000

**\$119 each**

Listed for US & Canada

## NON POLARIZED MNEDC175RT MNEDC250RT



125VDC panel mount breaker, studs 3/8 in, width 1.5 in (39mm), AIC 50,000 at 125VDC, 24V remote trip breaker for use with our Battery Disconnect module (MNBDM) and the Rapid Shutdown System.

**\$139 each**

## NON POLARIZED MNEDC125RT



125 amp 125VDC panel mount breaker, 1/4 in studs, width 1.25 in, this breaker has the optional 24V remote trip feature that allows it to work with our Battery Disconnect Module (MNBDM) and the Rapid Shutdown System. AIC 10,000 at 125VDC

**\$59 each**

Listed for US & Canada

## POLARIZED MNDC-GFP50-300-2PP



50 amp 300VDC din rail mount ground fault protector. Trip current is 1 amp. Use this assembly on PV circuits that operate up to 300VDC when required. NEC 2008 requires DC-GFP's on all Solar installations. Width 1 in (26mm).

**\$125 each**

Listed for US & Canada

## MNEAC5 MNEAC10 MNEAC15 MNEAC20 MNEAC25



120VAC branch circuit rated 489 din rail mount, width 0.5 in (13mm), 10,000 AIC

**\$18.75 each**

Listed for US & Canada

## MNEAC30 MNEAC40 MNEAC50 MNEAC60



120VAC branch circuit din rail mount, width 0.5 in (13mm), UL1077 5,000 AIC

**\$18.75 each**

Listed for US & Canada

## MNEAC15-2P, MNEAC20-2P, MNEAC25-2P



120/240 VAC din rail mount two pole breaker, branch circuit rated 489, width 1 in (26mm), available in 15, 20, 25 amps, 10,000 AIC

**\$37.50 each**

Listed for US & Canada

## MNDC-GFP100RT-2P



100 amp 150VDC panel mount Dual DC ground fault protector. Trip current is 1 amp. 3 in wide, 1/4 in studs

**\$139 each**

Listed for US & Canada when used in MidNite Solar enclosures

## MNEAC30-2P MNEAC35-2P MNEAC40-2P MNEAC50-2P MNEAC60-2P



120/240 VAC din rail mount two pole breaker, width 1 in (26mm), available in 30, 35, 40, 50, 60 amp, UL 1077 3,000 AIC

**\$37.50 each**

Listed for US & Canada

## MNEAC10QZD, MNEAC15QZD, MNEAC20QZD, MNEAC30QZD, MNEAC50QZD



277VAC din rail mount single pole breaker, width 0.5 in (13mm), supplementary protection UL1077, available in 15, 20, 30, 50, 60 amp, 3,000 AIC

**\$18.75 ea**

Listed for US & Canada

## MNEAC25QZD-2P MNEAC30QZD-2P MNEAC35QZD-2P MNEAC40QZD-2P MNEAC50QZD-2P MNEAC60QZD-2P



277VAC din rail mount double pole breaker, supplementary protection UL1077, width 1 in (26mm), available in 25, 30, 35, 40, 50, 60 amp, 3,000 AIC

**\$37.50 each**

Listed for US

## MNEAC30-3P MNEAC50-3P MNEAC60-3P



277VAC din rail mount 3 pole breaker, supplementary protection UL1077, width 1.5 in (39mm), available in 30, 50, 60 amp, 3,000 AIC

**\$59.50 each**

Listed for US

## NON POLARIZED MNEPV200-60-4PNP



60VDC din rail mount four pole breaker, 200 amp with 12VDC Width 2 in (52mm),

**\$135 each**

Listed for US

## NOTE: Numbers refer to numbered squares above!

CBI's QY series of breakers have been used in combiners & other solar equipment since 2000. The list below will be helpful to determine what breakers work in each combiner. All combinations meet Canadian requirements. **No interlock required.**

Old breakers: 1 & 3  
New Breakers: 5 & 10  
4, 7, 8 & 11 (1 only)

MNPV3



Old breakers: 1 & 3  
New Breakers: 5 & 10  
4 & 8 (1 only)

MNPV6



Breakers 3  
7 & 11

MNPV6-250



Old Breakers: 1 & 3  
New Breakers: 5 & 10

MNPV12



Breakers: 3  
7 & 11

MNPV12-250



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