

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

# MidNite Solar BREAKERS



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

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.

<p><b>POLARIZED</b> MNEPV1 (1 thru 63 amps) Example 15 amp: MNEPV15 Discontinued approx. 2nd quarter 2021 Replaced by MNEPV1-150-1PNP (1 thru 50)</p>  <p>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</p> <p><b>\$16.67 ea pk 12 \$18.00 ea</b></p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>	<p><b>POLARIZED</b> MNEPV80 or MNEPV100</p>  <p>150VDC 80 or 100 amp Din rail mount breaker, width 1 in (26mm), wire size up to #2 AWG 10,000 AIC</p> <p><b>\$54.00 each</b> Discontinued approx. 2nd quarter 2021 Replaced by MNEPV80-150-2PNP or MNEPV100-150-2PNP</p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>	<p><b>POLARIZED</b> MNEPV7-300 (7 thru 50 amps) Example 15 amp: MNEPV15-300</p>  <p>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</p> <p><b>\$38.00 each</b> Discontinued approx. 2nd quarter 2021. Replaced by MNEPV15-300 thru 50</p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>	<p><b>POLARIZED</b> <b>\$125.00 each</b> MNEPV16-600RT or MNEPV20-600RT</p>  <p>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)</p> <p>Discontinued approx. 2nd quarter 2021 Replaced by MNEPV15-600 thru 30</p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>											
<p><b>NON POLARIZED NEW!</b> MNEPV1-150-1PNP (1 thru 50) Example 15 amp: MNEPV15-150-1PNP</p>  <p>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</p> <p><b>\$22 ea pk 12 or \$25 ea</b></p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED NEW!</b> MNEPV80-80-2PNP, MNEPV100-80-2PNP, MNEPV125-80-2PNP</p>  <p>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"</p> <p><b>\$59 ea pk 6 or \$63 ea</b></p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED NEW!</b> MNEPV15-300-2PNP MNEPV20-300-2PNP MNEPV30-300-2PNP MNEPV40-300-2PNP MNEPV50-300-2PNP</p>  <p>300VDC two pole din rail mount breaker, width 1 in (26mm), available in 15, 20, 30, 40, 50 amps 10,000 AIC</p> <p><b>\$54 ea pk 6 or \$57 ea</b></p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED NEW!</b> MNEPV15-600-4PNP MNEPV20-600-4PNP MNEPV30-600-4PNP</p>  <p>600VDC din rail mount four pole breaker, width 2 in (52mm), available in 15, 20 and 30 amp 10,000 AIC</p> <p>Listed for US &amp; Canada</p>											
<p><b>POLARIZED</b> MNDC-GFP63 <b>\$74 each</b></p>  <p>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</p> <p>Discontinued approx. 2nd quarter 2021</p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>	<p><b>POLARIZED NEW!</b> MNEPV1-300-1PP Example 15 amp: MNEPV15-300-1PP</p>  <p>300VDC din rail mount single pole breaker, width 0.5 in (13mm), available in 15, 20, 30, 40, 50 3,000 AIC</p> <p><b>\$22 ea pk 12 or \$25 ea</b></p> <p>Listed for US, Canada listing pending</p>	<p><b>POLARIZED NEW!</b> MNEPV15-600-2PP MNEPV20-600-2PP MNEPV30-600-2PP MNEPV40-600-2PP MNEPV50-600-2PP</p>  <p>600VAC din rail mount two pole breaker, width 1 in (26mm), available in 15, 20, 30, 40, 50 amp 3,000 AIC</p> <p><b>\$54 ea pk 6 or \$57 ea</b></p> <p>Listed for US, Canada listing pending</p>	<p><b>POLARIZED NEW!</b> MNEPVRT30-600-3PP</p>  <p>600VDC din rail mount three pole breaker, 30 amp with 12VDC Remote Trip, width 1.5 in (39mm) 3,000 AIC</p> <p><b>\$95 each</b></p> <p>Listed for US, Canada listing pending</p>											
<p><b>NON POLARIZED</b> MNDC-GFP80</p>  <p>80 amp 125VDC 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</p> <p><b>\$74 each</b></p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED</b> MNEDC (5A thru 100A) Example 15 amp: MNEDC15</p>  <p>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</p> <p><b>\$22 each</b></p> <p>Listed for 120VAC and 150VDC</p>	<p><b>NON POLARIZED</b> MNEDC30-300 MNEDC60-300 MNEDC80-300</p>  <p>300 VDC panel mount breaker, width 1.5 in (39mm), 1/4 in studs, available in 30, 60 or 80 amps</p> <p><b>\$44 each</b></p>	<p><b>DC250 \$75 DC300 \$85 DCRT300 \$99</b> NON POLARIZED MNEDC250-60-3P MNEDC300-60-3P MNEDCRT300-60-3P</p>  <p>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)</p> <p>Listed for US &amp; Canada</p>											
<p><b>POLARIZED</b> MNDC-GFP50-300 <b>\$129 each</b></p>  <p>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).</p> <p>Discontinued approx. 2nd quarter 2021 Replaced by MNDC-GFP50-300-2PP</p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED</b> MNEDC175, MNEDC250 <b>\$119 each</b></p>  <p>125VDC panel mount breaker, studs 3/8 in width 1.5 in (39mm) AIC 50,000</p> <p>Listed for US &amp; Canada</p>	<p><b>NON POLARIZED</b> MNEDC175RT MNEDC250RT <b>\$139 each</b></p>  <p>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.</p>	<p><b>NON POLARIZED</b> MNEDC125RT <b>\$59 each</b></p>  <p>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</p> <p>Listed for US &amp; Canada</p>											
<p><b>POLARIZED</b> MNDC-GFP50-300-2PP <b>\$125 each</b></p>  <p>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).</p> <p>Listed for US &amp; Canada</p>	<p>MNEAC5 MNEAC10 MNEAC15 MNEAC20 MNEAC25 <b>\$18.75 each</b></p>  <p>120VAC branch circuit rated 489 din rail mount, width 0.5 in (13mm), 10,000 AIC</p> <p>Listed for US &amp; Canada</p>	<p>MNEAC30 MNEAC40 MNEAC50 MNEAC60 <b>\$18.75 each</b></p>  <p>120VAC branch circuit din rail mount, width 0.5 in (13mm), UL1077 5,000 AIC</p> <p>Listed for US &amp; Canada</p>	<p>MNEAC15-2P, MNEAC20-2P, MNEAC25-2P <b>\$37.50 each</b></p>  <p>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</p> <p>Listed for US &amp; Canada</p>											
<p>MNDC-GFP100RT-2P <b>\$139 each</b></p>  <p>100 amp 150VDC panel mount Dual DC ground fault protector. Trip current is 1 amp. 3 in wide, 1/4 in studs</p> <p>Listed for US &amp; Canada when used in MidNite Solar enclosures</p>	<p>MNEAC30-2P MNEAC35-2P MNEAC40-2P MNEAC50-2P MNEAC60-2P <b>\$37.50 each</b></p>  <p>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</p> <p>Listed for US &amp; Canada</p>	<p>MNEAC10QZD, MNEAC15QZD, MNEAC20QZD, MNEAC30QZD, MNEAC50QZD <b>\$18.75 ea</b></p>  <p>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</p> <p>Listed for US &amp; Canada</p>	<p>MNEAC25QZD-2P MNEAC30QZD-2P MNEAC35QZD-2P MNEAC40QZD-2P MNEAC50QZD-2P MNEAC60QZD-2P <b>\$37.50 each</b></p>  <p>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</p> <p>Listed for US</p>											
<p>MNEAC30-3P MNEAC50-3P MNEAC60-3P <b>\$59.50 each</b></p>  <p>277VAC din rail mount 3 pole breaker, supplementary protection UL1077, width 1.5 in (39mm), available in 30, 50, 60 amp, 3,000 AIC</p> <p>Listed for US</p>	<p><b>NON POLARIZED</b> MNEPV200-60-4PNP <b>\$135 each</b></p>  <p>60VDC din rail mount four pole breaker, 200 amp with 12VDC Width 2 in (52mm),</p> <p>Listed for US</p>	<p><b>NOTE: Numbers refer to numbered squares above!</b> CBI's QY series of breakers have been used in combiners &amp; other solar equipment since 2000. The list below will be helpful to determine what breakers work in each combiner. All combinations meet Canadian requirements. <b>No interlock required.</b></p> <table border="0"> <tr> <td>Old breakers: 1 &amp; 3 New Breakers: 5 &amp; 10 4, 7, 8 &amp; 11 (1 only) MNPV3</td> <td>Old breakers: 1 &amp; 3 New Breakers: 5 &amp; 10 4 &amp; 8 (1 only) MNPV6</td> <td>Breakers 3 7 &amp; 11 MNPV6-250</td> <td>Old Breakers: 1 &amp; 3 New Breakers: 5 &amp; 10 MNPV12</td> <td>Breakers: 3 7 &amp; 11 MNPV12-250</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			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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