
































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

MidNite Solar BREAKERS

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

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>POLARIZED MNEPV1 (1 thru 63 amps) Example 15 amp: MNEPV15 <i>Discontinued approx. 2nd quarter 2021 Replaced by MNEPV1-150-1PNP (1 thru 50)</i></p>  <p>\$16.67 ea pk 12 \$18.00 ea</p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>	<p>POLARIZED MNEPV80 or MNEPV100</p>  <p>\$54.00 each <i>Discontinued approx. 2nd quarter 2021 Replaced by MNEPV15-300-2PNP or MNEPV15-300-1PNP</i></p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>	<p>POLARIZED MNEPV7-300 (7 thru 50 amps) Example 15 amp: MNEPV15-300</p>  <p>\$38.00 each <i>Discontinued approx. 2nd quarter 2021 Replaced by MNEPV15-300 2PNP</i></p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>	<p>POLARIZED \$125.00 each 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) <i>Discontinued approx. 2nd quarter 2021 Replaced by MNEPV15-600 4PNP</i></p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>															
<p>NON POLARIZED NEW! 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, 60, 63, 10,000 AIC</p> <p>\$22 ea pk 12 or \$25 ea</p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED NEW! MNEPV80-80-1PNP, MNEPV100-80-1PNP, MNEPV125-80-1PNP</p>  <p>80VDC 80, 100 and 125 amp Din Rail mount breaker Width 1" (26mm), wire size up to 2AWG, 10,000 AIC May not fit in the same space as our other 80 and 100 amp din rail mount breakers.</p> <p>\$59 ea pk 6 or \$64 ea</p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED NEW! 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>\$54 ea pk 6 or \$57 ea</p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED NEW! 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><small>Listed for US & Canada</small></p>															
<p>POLARIZED MNDC-GFP63 \$74 each</p>  <p>63 amp 150VDC din rail mount DC ground fault protector. NEC 2008 requires DC-GFPs on all solar installations. Width 1 in (26mm) 10,000 AIC <i>Discontinued approx. 2nd quarter 2021</i></p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>	<p>POLARIZED NEW! 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>\$22 ea pk 12 or \$25 ea</p> <p><small>Listed for US, Canada listing pending</small></p>	<p>POLARIZED NEW! 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>\$54 ea pk 6 or \$57 ea</p> <p><small>Listed for US, Canada listing pending</small></p>	<p>POLARIZED NEW! 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>\$95 each</p> <p><small>Listed for US, Canada listing pending</small></p>															
<p>NON POLARIZED MNDC-GFP80</p>  <p>80 amp 125VDC panel mount DC ground fault protector, 1/2 amp trip mechanism, NEC 2008 requires DC-GFPs on all solar installations, width 1.5 in (39mm), 10,000 AIC</p> <p>\$74 each</p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED MNEDC (SA 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>\$22 each</p> <p><small>Listed for 120VAC and 150VDC</small></p>	<p>NON POLARIZED 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>\$44 each</p>	<p>DC250 \$75 DC300 \$85 DCRT300 \$99</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><small>Listed for US & Canada</small></p>															
<p>POLARIZED MNDC-GFP50-300 \$129 each</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-GFPs on all solar installations. Width 2 in (52mm).</p> <p><i>Discontinued approx. 2nd quarter 2021 Replaced by MNDC-GFP50-300-2PP</i></p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED MNEDC175, MNEDC250</p>  <p>125VDC panel mount breaker, studs 3/8 in width 1.5 in (39mm) AIC 50,000</p> <p>\$119 each</p> <p><small>Listed for US & Canada</small></p>	<p>NON POLARIZED MNEDC175RT MNEDC250RT</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>\$139 each</p>	<p>NON POLARIZED MNEDC125RT</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>\$59 each</p> <p><small>Listed for US & Canada</small></p>															
<p>POLARIZED MNDC-GFP50-300-2PP \$125 each</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-GFPs on all solar installations. Width 1 in (26mm).</p> <p><small>Listed for US & Canada</small></p>	<p>MNEAC5 MNEAC10 MNEAC15 MNEAC20 MNEAC25</p>  <p>120VAC branch circuit rated 489 din rail mount, width 0.5 in (13mm), 10,000 AIC</p> <p>\$18.75 each</p> <p><small>Listed for US & Canada</small></p>	<p>MNEAC30 MNEAC40 MNEAC50 MNEAC60</p>  <p>120VAC branch circuit din rail mount, width 0.5 in (13mm), UL1077 5,000 AIC</p> <p>\$18.75 each</p> <p><small>Listed for US & Canada</small></p>	<p>MNEAC15-2P, MNEAC20-2P, MNEAC25-2P</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>\$37.50 each</p> <p><small>Listed for US & Canada</small></p>															
<p>NON POLARIZED MNDC-GFP100RT-2P 100 amp 150VDC panel mount DC ground fault protector. Trip current is 1 amp. 3 in studs, 1/4 in studs</p>  <p>\$139 each</p> <p><small>Listed for US & Canada when used in MidNite Solar enclosures</small></p>	<p>MNEAC30-2P MNEAC35-2P MNEAC40-2P MNEAC50-2P MNEAC60-2P</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>\$37.50 each</p> <p><small>Listed for US & Canada</small></p>	<p>MNEAC10QZD, MNEAC15QZD, MNEAC20QZD, MNEAC30QZD, MNEAC50QZD</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>\$18.75 ea</p> <p><small>Listed for US & Canada</small></p>	<p>MNEAC25QZD-2P MNEAC30QZD-2P MNEAC35QZD-2P MNEAC40QZD-2P MNEAC50QZD-2P</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>\$37.50 each</p> <p><small>Listed for US</small></p>															
<p>MNEAC30-3P MNEAC50-3P MNEAC60-3P</p>  <p>277VAC din rail mount three pole breaker, supplementary protection UL1077, available in 30, 50, 60 amp, 3,000 AIC</p> <p>\$59.50 each</p> <p><small>Listed for US</small></p>	<p>NON POLARIZED MNEPV200-60-4PNP</p>  <p>60VDC din rail mount four pole breaker, 200 amp with 12VDC Width 2 in (52mm),</p> <p>\$135 each</p> <p><small>Listed for US</small></p>	<p>NOTE: Numbers refer to numbered squares above! CBI's Q1 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.</p> <table style="width: 100%; border: none;"> <tr> <td>Old breakers: 1 & 3</td> <td>Old breakers: 1 & 3</td> <td>Breakers 3</td> <td>Old Breakers: 1 & 3</td> <td>Breakers: 3</td> </tr> <tr> <td>New Breakers: 5 & 10</td> <td>New Breakers: 5 & 10</td> <td>7 & 11</td> <td>New Breakers: 5 & 10</td> <td>7 & 11</td> </tr> <tr> <td>4, 7, 8 & 11 (1 only)</td> <td>4 & 8 (1 only)</td> <td>MNPV3</td> <td>MNPV6-250</td> <td>MNPV12</td> </tr> </table>  <p><small>Listed for US</small></p>		Old breakers: 1 & 3	Old breakers: 1 & 3	Breakers 3	Old Breakers: 1 & 3	Breakers: 3	New Breakers: 5 & 10	New Breakers: 5 & 10	7 & 11	New Breakers: 5 & 10	7 & 11	4, 7, 8 & 11 (1 only)	4 & 8 (1 only)	MNPV3	MNPV6-250	MNPV12
Old breakers: 1 & 3	Old breakers: 1 & 3	Breakers 3	Old Breakers: 1 & 3	Breakers: 3														
New Breakers: 5 & 10	New Breakers: 5 & 10	7 & 11	New Breakers: 5 & 10	7 & 11														
4, 7, 8 & 11 (1 only)	4 & 8 (1 only)	MNPV3	MNPV6-250	MNPV12														

NOTE: Legacy DC breakers do not have "polarized" and "non polarized" designations.

19115 - 62nd Ave NE
Arlington, WA 98223

PH. 360-403-7207
FAX 360-691-6862

REV 3 - 18 Dec 2020

www.midnitesolar.com