LITHIUM BATTERY COMBINERS

MIDNITE SOLAR INC.

MNLBC, MNLBC-W250, MNBCB 500/50, MNBCB 1000/50, MNBCB 1000/100 and MNBCB 2000/200

By customer request MidNite solar offers numerous versions of its battery combiner box!

The **MNLBC & MNLBC-W250** will allow the combining of 14 batteries in parallel for the MNLBC and 10 batteries in parallel for the MNLBC-W250. The LBC series of combiners was a result of customer requests for lithium battery combiners.

The **MNBCB 500/50** 500A battery combiner box Includes a 500A Positive and Negative bus bar with 3/8 inch studs. Cables can be double lugged and the copper bus bar can be drilled for additional mounting locations, We recommend you use 3/8 inch stainless bolts if you drill holes to attach more ring terminals.

MidNite's **MNBCB 1000/50 MNBCB 1000/100** and **MNBCB 2000/200** battery combiner boxes includes a Positive and Negative bus bar with 3/8 inch studs. Cables can be double lugged. Doubling the quantity of cable can easily be installed. Includes either a 2000 amp / 200mv or a 1000 amp / 100mv or a 1000 amp / 50mv shunt depending on model number selected.

FEATURES: MNLBC & MNLBC-W250

- Aluminum rainproof type 3R Enclosure
- Knock outs that accept water proof strain reliefs, conduit etc.
- Knock outs for lightning arrestors
- The MNLBC-W250 uses a 250 amp/80VDC breaker
- ETL listed UL 1741 for use in the US and Canada
- 250 AMP internal busbars
- Warranty - 5 years

FEATURES: MNBCB 500/50

- Max. AC Voltage - 277VAC
- Max. DC Voltage - 300VDC
- Environment Rating - Type 1 environmental rating (indoor)
- Warranty - 5 years

FEATURES: MNBCB 1000/100, MNBCB 2000/100 and **MNBCB 2000/200**

- MNBCB 1000/50: 1000 amps max with a 50 mv shunt
- MNBCB 1000/100: 1000 amps max with a 100 mv shunt
- MNBCB 2000/200: 2000 amp max with a 200mv shunt
- All shunts are drilled to accept the WhizBang Jr.
- Max. AC Voltage - 277VAC
- Max. DC Voltage - 300VDC
- Environment Rating - Type 1 environmental rating (indoor)
- Warranty - 5 years

MNLBC



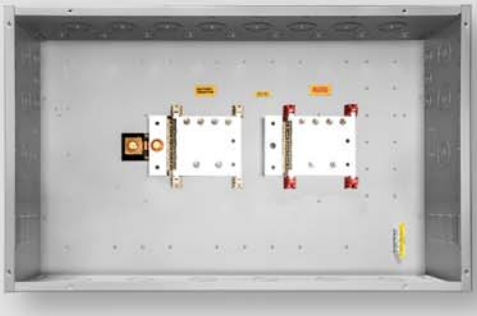
MNLBC-W250



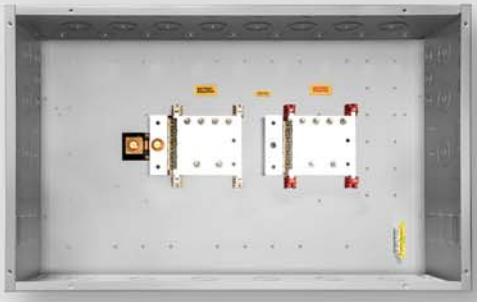
MNBCB 500/50



MNBCB 1000/50 & MNBCB 1000/100



MNBCB 2000/200



Made in the USA

www.midnitesolar.com
19115 - 62nd Ave. NE., Arlington, WA. 360-403-7207 FAX: 360-691-6862

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MIDNITE SOLAR INC.

MNLBC, MNLBC-W250, MNBCB 500/50, MNBCB 1000/100 and MNBCB 2000/200

SPECIFICATIONS

MNLBC & MNLBC-W250	
Enclosure rating	Outdoor rain proof 3R
Enclosure material	Powder Coated Aluminum with stainless steel hardware.
Number of batteries	14 batteries for the LBC and 10 batteries for the MNLBC-W250
OCPD included	MNLBC-W250 is 250 AMP/80VDC with internal breaker. MNLBC does not have internal breakers.
Amperage Rating	250 AMP
Output stud size	3/8"
Input lug size	4 AWG to 1/0 wire Copper and 12 AWG to 1/0 Aluminum.
Lockable	Yes
Rating	UL1741
Listing	ETL
Mounting Options and Angle	Vertical wall mount or pole mount, up to 14 degrees incline.
Number of outputs	Single output
Lug temperature rating	90 degrees
Warranty	5 years
MNLBC & MNLBC-W250 KNOCK OUTS	
¾" Knockouts	10
MNBCB 500/50	
Amperage Rating	500A
Output stud size	3/8"
Max. AC Voltage	277VAC
Enclosure material	Powder Coated Aluminum with stainless steel hardware.
Enclosure rating	Type 1 environmental rating (indoor)
Warranty	5 years
MNBCB 500/50 KNOCK OUTS	
Combination 3/4" & 1" Knockouts	24
Combination 1-1/2" & 2" Knockouts	8
Large breakers locations	4 Optional MNEDC-125 (1"WIDE) AND MNEDC-175-250 (1-1/2 WIDE)
Small breakers locations	20 Optional MNEDC-(1 to 100) AMPS
MNBCB 1000/50 MNBCB 1000/100 & MNBCB 2000/200	
Amperage Rating	1000/2000A
Output stud size	3/8"
Max. AC Voltage	277VAC
Max. DC Voltage	300VDC
Enclosure material	Powder Coated Aluminum with stainless steel hardware.
Enclosure rating	Type 1 environmental rating (indoor)
Warranty	5 years
MNBCB 1000/100 KNOCK OUTS & MNBCB 2000/200 KNOCKOUTS	
Combination 3/4" & 1" Knockouts	29
Combination 1-1/2" & 2" Knockouts	20
Larger breaker locations	12 Optional MNEDC-125 (1"WIDE) AND MNEDC-175-250 (1-1/2 WIDE)
Small breaker locations	20 Optional MNEDC-(1 to 100) AMPS

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