

MX SERIES CUSTOMER INTERFACE CAGE ADDENDUM

CUSTOMER INTERFACE CAGE WITH OPTIONAL BRACKET

All user connections are made in the interface box (top cage assembly) there is space for 5 - 1 ¼" conduit runs in the cage. If larger connections or other locations are required, holes may be punched anywhere in the interface box.

- 1). To gain access to the connections, remove (4) 6-32 screws holding the back cover.
- 2). Connect AC wires to lugs provided; they will accept wires up to 4/0 gauge.
- 3). The inverter ships with a wire connecting neutral to chassis ground. If there is an AC distribution panel in the installation, remove this wire and make the neutral to chassis connection in the AC distribution panel.
- 4). Connect inverter chassis ground to a suitable earth ground in the facility.
- 5). Make any desired alarm connections to the provided terminals .
- 6). Disconnect wires from the battery end of the DC cables, then connect DC wires to battery plus and minus at the inverter. It is recommended to connect the battery connector directly to the copper strip. Leave the battery side of the DC cables disconnected at this time. You can either connect cables using lugs with 1" hole spacing or 1.75" hole spacing. Use 3/8" hardware for connection of the lugs to the brackets. If you do not want to use these brackets you can remove them. If you do this make sure that you re-torque the 5/16" hardware to 85 in/lb.

Initial Power up

- 1). Remove all inverter Power modules and control cards by turning the two thumb screws on each module out simultaneously. Slide the modules out about 1 inch. It is not necessary to remove them all the way.
- 2). Turn "off" both inverter phases with "inv" switches located on the alarm cards of each phase.
- 3). Connect DC leads to the battery and measure DC voltage at the inverter DC input. Insure proper polarity.
- 4). Reinsert 1 control card (preferably the left one) and one power module per phase.
- 5). Turn inverter "on" by placing both "inv" switches "on".
Note: The "inv" on/off switches are wire O Red. If either switch is "on" both inverter phases will be "on" but BOTH switches must be "off " for the inverter to be off.
- 6). Verify >110Vac line to neutral of each phase and >220 Vac line to line output
- 7). Turn inverter "off", turn DC power "off" if possible and insert all power modules.
- 8). Install access cover.
- 9). Reconnect DC power. If the only method of disconnecting the DC is a fuse or fast acting circuit breaker, it may be necessary to precharge input capacitors of the inverter by using a resistor (about 100 ohms 5 watts, a 100 watt light bulb will work well) temporarily wired across the input fuse.
- 10). Turn the inverter "on", push "reset" button on the left control card of each phase and verify the bottom LED of each power module is lit. Verify green LED on the left control card is lit. Verify "DC on" "INV on", "Load" LEDs are green and that there are no red LEDs lit.

Operation:

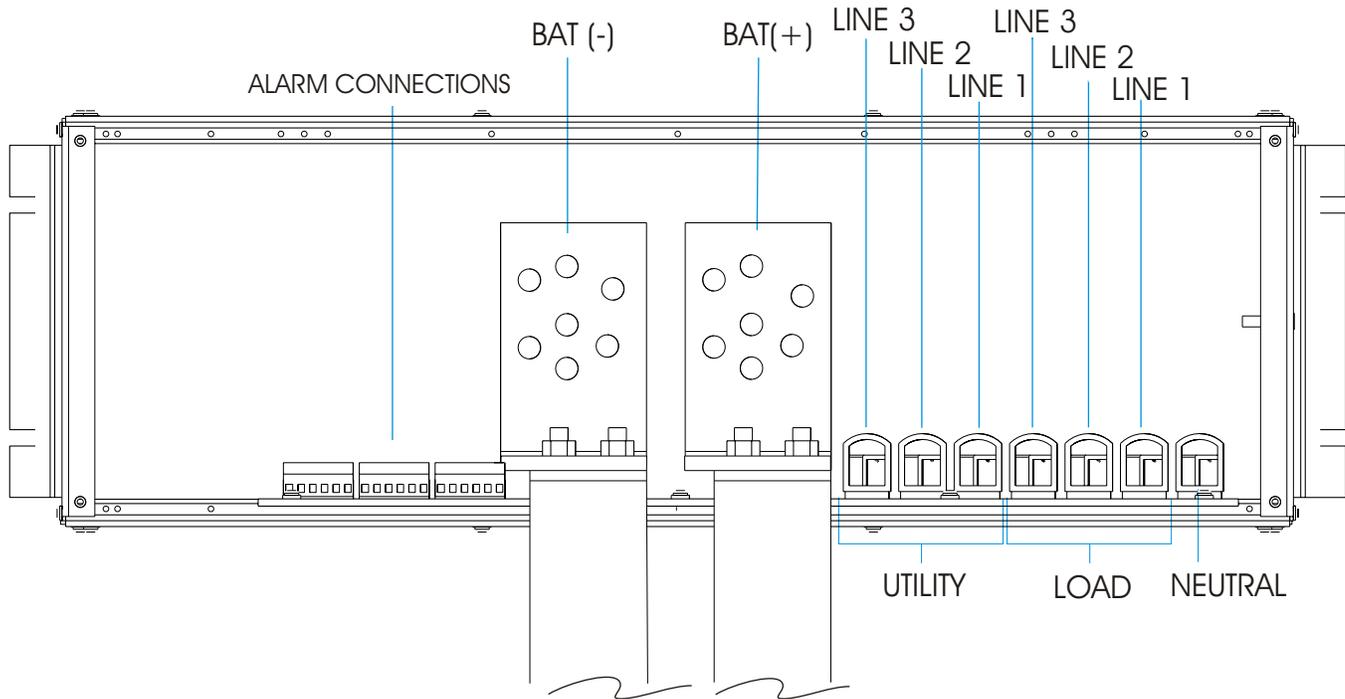
Operation is similar to that described in the MX manual with the following exceptions:

- 1). To turn the inverter "on", either on/off switch will start the inverter. Both "inv" switches must be "off" for the inverter to turn off.

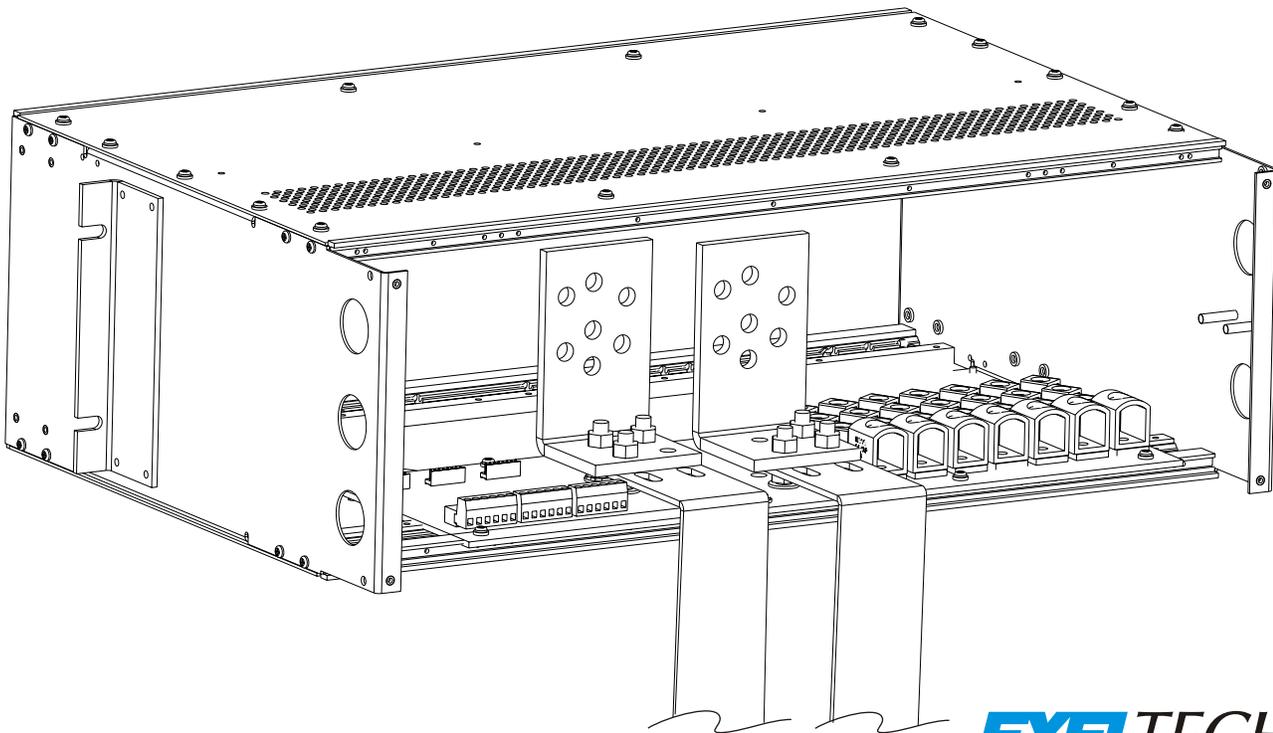
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BACK VIEW WITH ACCESS COVER REMOVED



BACK ISO VIEW WITH ACCESS COVER REMOVED



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All Specifications are subject to change without notice.
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