



Introduction

The ME-DCLD (DC Load Disconnect) pigtail adapter is designed to provide a means to DISABLE the inverter function when a 12-volt DC signal is removed. This is useful in applications when a vehicle or boat is placed into storage and the Battery Disconnect Switch is turned off to disconnect all DC loads. The inverter can also be automatically turned off if the ME-DCLD is installed. The ME-DCLD pigtail adapter is simple to install, and is used with inverters that provide a Stack/Accessories port—such as the ME, MS, MS-AE and RD Series inverters.

Note: The ME-DCLD cannot be used with MS-PAE or MS-PE Series inverters.

Installation

Refer to Figure 2 to install the ME-DCLD; ensure the following requirements:

1. Connect the ME-DCLD wire to a circuit so that 12VDC is available when the battery disconnect switch is on, and is not present when the battery disconnect is off. The circuit selected should be protected by a fuse rated at 5 amps DC maximum.



Caution: If using 24 or 48 volts, place a 15k ohm (24VDC) or 25k ohm (48VDC) resistor in-line with the red wire on the ME-DCLD to ensure this increased voltage does not damage the inverter.

2. The ME-DCLD pigtail **MUST** be plugged into the Stack/Accessories port on the inverter, as shown in Figure 1.

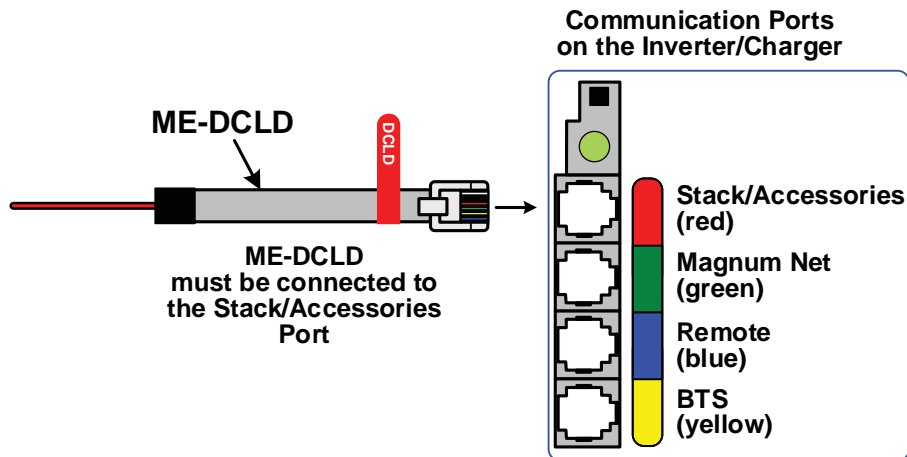


Figure 1, ME-DCLD Connection to Inverter

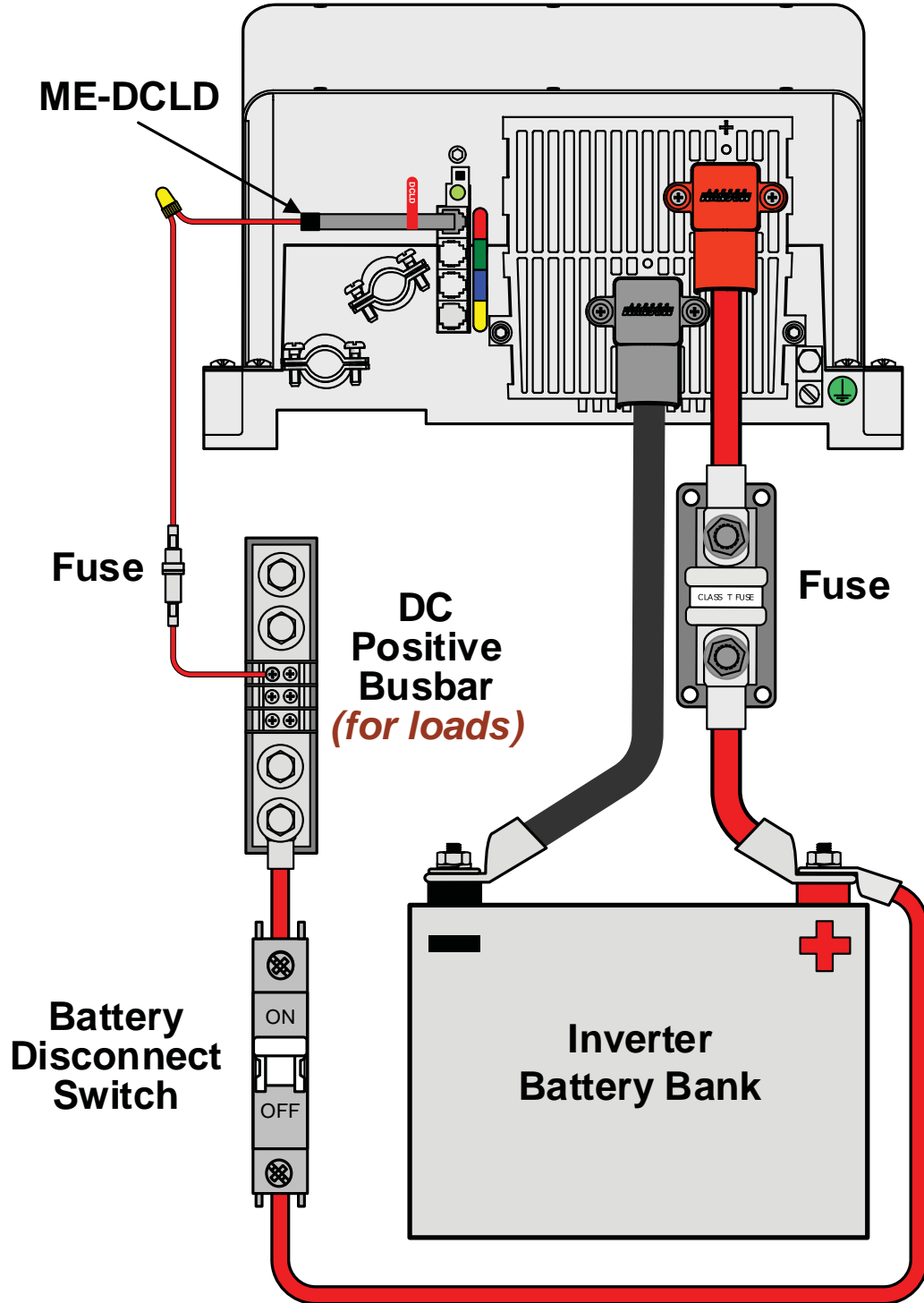
Operation

1. The inverter's ON/OFF button (and the remote control's ON/OFF button, if connected) can turn the inverter on/off when the Battery Disconnect Switch is on.
2. The inverter turns off and the inverter's ON/OFF button (and the remote control's ON/OFF button, if connected) is **disabled** when the Battery Disconnect Switch is off.



Info: The charger continues to function and is not affected by the ME-DCLD pigtail operation.

Magnum Energy Inverter/Charger (with Stack/Accessories port)



The inverter turns off and the inverter's ON/OFF button (and the remote control's ON/OFF button, if connected) is disabled when the Battery Disconnect Switch is off.

Figure 2, ME-DCLD Installation