

Introduction

The MM-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 MM-DCLD is installed.

The MM-DCLD pigtail adapter is simple to install and is used only with the MM or MMS Series inverters.

Installation

Refer to figure 2 to install the MM-DCLD; ensure the following requirements:

1. Connect the MM-DCLD wire to a circuit so that 12VDC is available when the battery disconnect switch (or ignition switch) is on, and not present when the battery disconnect (or ignition switch) 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 (for 24VDC) or 25k ohm (for 48VDC) resistor in-line with the red wire on the MM-DCLD to ensure this increased voltage does not damage the inverter.

2. The MM-DCLD pigtail **MUST** be plugged into the ACCESSORIES port on the inverter as shown in figure 1. If using the BTS, then a 6-conductor phone splitter must be used to connect both the MM-DCLD and the BTS.

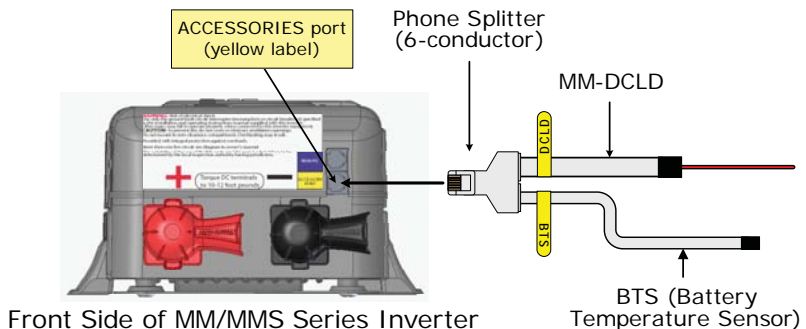


Figure 1, MM-DCLD Connection to Inverter

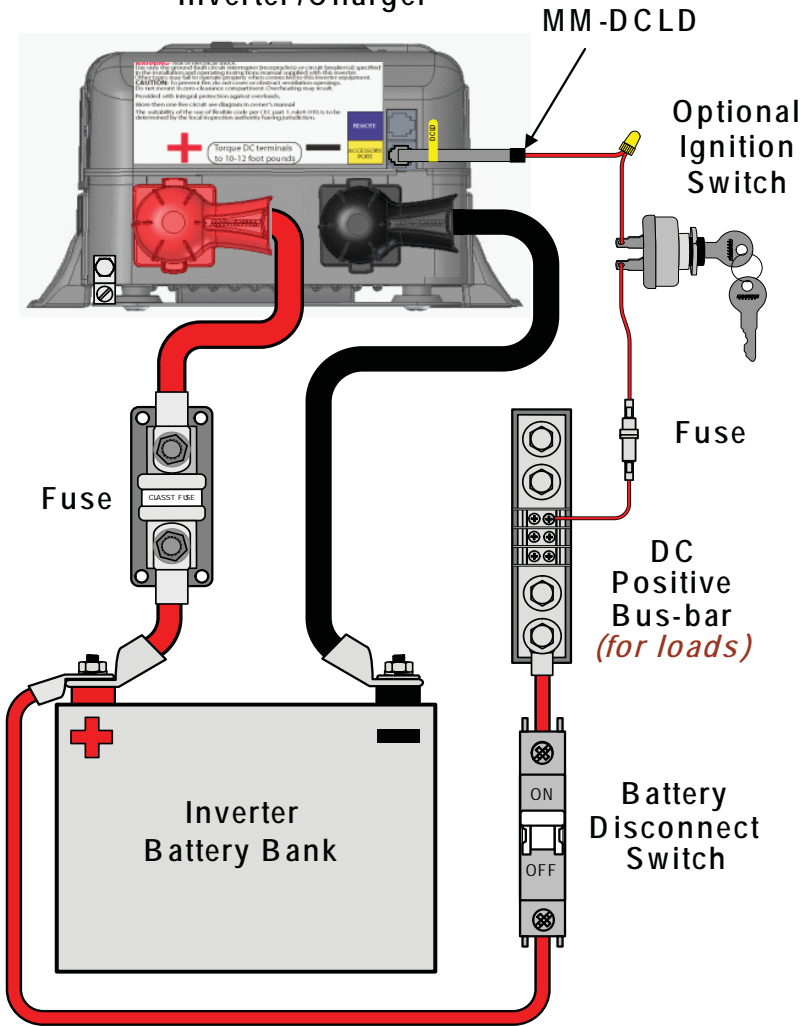
Operation Steps

1. The inverter's ON/OFF button (and on remote control, if connected) can be used to turn the inverter on/off when +12VDC is connected.
2. The inverter will turn off and the inverter's ON/OFF button (and on remote control, if connected) **is disabled** when the +12 VDC is disconnected.



Info: The charger will continue to function and is not affected by the MM-DCLD pigtail operation.

MM / MMS Series
Inverter / Charger



The inverter will turn off and the inverter's ON/OFF button (and on remote control, if connected) is disabled when the Battery Disconnect Switch or Ignition Switch is turned off.

Figure 2, MM-DCLD Installation