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Introduction

The ME-ISA (Ignition Switch Activate) pigtail adapter is designed to automatically turn the inverter on when a 12-volt DC signal is supplied. This is useful in applications where it may be desirable to allow 120VAC inverter loads to be automatically powered when the vehicle's ignition switch is turned on. The ME-ISA pigtail adapter is simple to install and is used with inverters that provide a Stack/Accessories port (e.g., ME, MS, MS-PAE and RD Series).

Installation

To properly install the ME-ISA (see also Figure 2):

1. The ME-ISA wire should be connected to a circuit downstream from the vehicle's ignition switch, so that 12VDC is available when the ignition switch is on, and is not available when the ignition switch is off. The circuit selected should be protected by a fuse rated at 5 amps DC maximum.



If using 24 volts, place a 15k ohm resistor in-line with the purple wire on the ME-ISA to ensure this increased voltage does not damage the inverter.

2. The ME-ISA pigtail **must** be plugged into the Stack/Accessories (red) port on the inverter (see Figure 1).

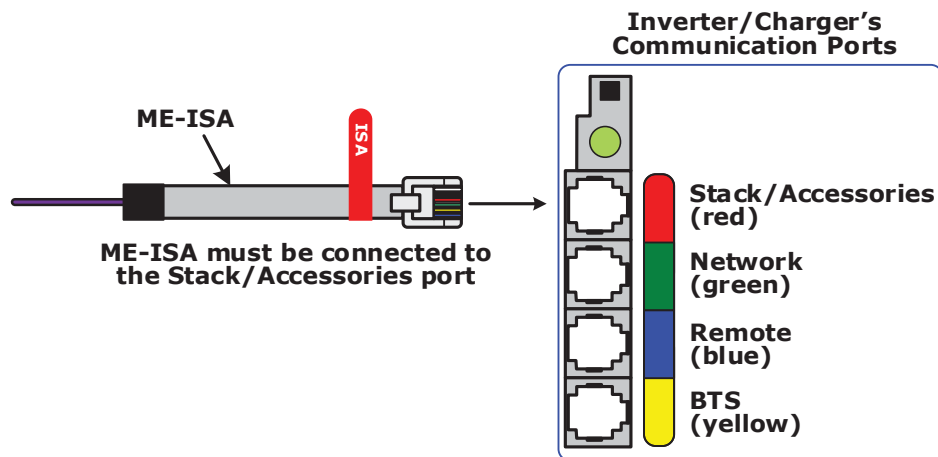


Figure 1, ME-ISA Connection to Inverter

Operation

1. When the vehicle's ignition switch is turned on (provides 12VDC to the ME-ISA pigtail wire), the inverter automatically turns on, and the inverter's and remote's ON/OFF buttons **are disabled**.
2. When the vehicle's ignition switch is turned off (removes 12VDC from the ME-ISA pigtail wire), the inverter automatically turns off, and the inverter's and remote's ON/OFF buttons **are disabled**.



Info: The charger will continue to function and is not affected by the ME-ISA pigtail's operation.

Magnum-Dimensions Inverter/Charger (with Stack/Accessories port)

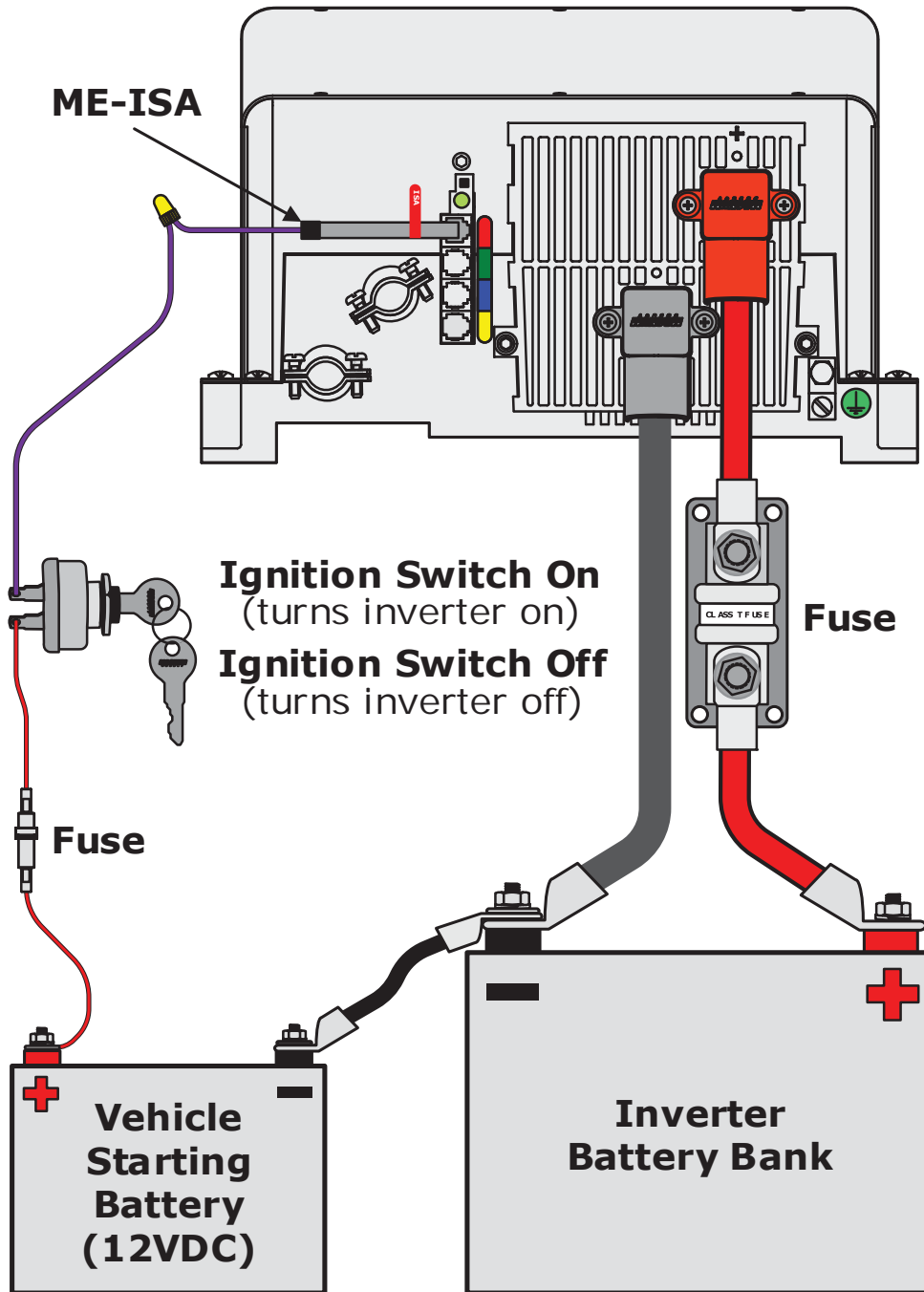


Figure 2, ME-ISA Installation