

# Installation and User Guide

For use in vehicles with 12V negative ground electrical systems only. Use of the MV-PI300A with a non 12V negative ground electrical system can result in failure of the unit and or a blown fuse.

## Specifications

- Input Voltage Range: ..... 10-15V DC
- Input Full Load Current: ..... 30A
- Standby Input Current: ..... <0.32A
- Output Voltage (AC): ..... 110V ± 5%
- Continuous Output Power: ..... 300W
- Dimension ..... (L) 155mm (W) 73mm (H) 73mm
- Weight ..... 2lbs.(900g)
- Replacement Fuse ..... 35A

## Safety Features

- Auto Operating Fan
- Overload Protection
- Output Short Circuit Protection
- Reverse Polarity Battery Protection

## Trouble Shooting

When the Power Inverter Does Not Appear to be Functioning Properly, Check the Following Trouble Shooting Procedures.

- 1) **Poor Contact:** clean contact parts thoroughly.
- 2) **Receptacle Has No Power Output:** (a) Check fuse, replace damaged fuse with same amperage. (b) Check receptacle wiring, repair if necessary.
- 3) **Output Short, Heat Overload:** Under heavy loads, the AC output will decrease. This is to protect the Unit from overheating, (a) turn off the unit until it cools down

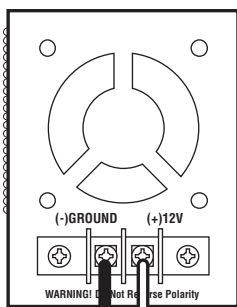
- (b) Disconnect some of the appliances. (c) Check the power consumption of your AC appliance, make sure it is below 300W.

### Warning Signals

- Low Battery ..... BI BI BI
- Over Heating ..... BI BI BI BI
- Over Load ..... BI BI BI BI BI
- Output Short ..... BIBIBIBIBIBI

## Connection

**Caution!** DO NOT reverse power input connection, it can cause severe damage to the power unit.



**Red Wire:** Connect to Switched +12V

**Black Wire:** Connect to Ground

## Mounting

Acceptable mounting positions

Note: be sure to leave at least 1" around the unit for proper ventilation.

