



# User Guide for the PowerStream DC-UPS-1212-5A DC/DC UPS Controller

The DC-UPS-1212-5A is used to provide standby power to a device operating on a nominal 12 volt DC power. The current capacity of the DC-UPS-1212-5A is 5 Amps.

## Connections

There are 6 terminals for the power connections and a 3-pin connector for the LED status wires.

## Power Connections

The connection for the power terminals is a common 0.187 x 0.032 quick disconnect terminal. Amp calls these Faston terminals. A typical part that the customer would use would be a MOLEX # 19002-0009.

The positive wire from the Primary (Main) power supply should be connected to the terminal labeled MainIn, POS. The negative wire from the Primary (Main) power supply should be connected to the terminal labeled MainIn, NEG.

The positive wire from the Standby (Aux) power supply should be connected to the terminal labeled AuxIn, POS. The negative wire from the Standby (Aux) power supply should be connected to the terminal labeled AuxIn, NEG.

The positive wire to the device to be powered (Output) should be connected to the terminal labeled Output, POS. The negative wire to the device to be powered (Output) should be connected to the terminal labeled Output, NEG.

Note: All negative terminals are internally connected together.

## Status LED connector

The connector on the UPS module is a MOLEX 43650-0316. The customer supplied mating connector shell is a MOLEX # 43645-0300. You also need three socket contacts to insert into the shell. These are MOLEX # 43030-0009. The pinout of this connector is:

PIN 1. Negative side of the MAIN LED. This pin will be low when load is being powered from the main input. Maximum sink current is 30mA.

PIN 2. Positive supply for the LEDs. Nominal output 12VDC. Do not draw more than 30mA from this pin. Current limiting resistors will be needed in series with the LEDs.

PIN 3. Negative side of the STANDBY LED. This pin will be low when load is being powered from the standby input. Maximum sink current is 30mA.

Note: DO NOT connect any other power source to Pin 2 of the LED (Status) connector. While doing so will not damage the unit, it will not perform properly if this happens.

