



PowerStream PST-UPS4 DC/DC UPS Controller User Guide

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PowerStream PST-UPS4 DC/DC UPS Controller



Product Information

The PowerStream PST-UPS4 is a DC/DC UPS Controller designed to provide standby power to a device operating on a nominal 12 volt DC power. It has a current capacity of 5 Amps.

Product Usage Instructions

To connect the power supply and the device to be powered, follow these steps:

1. Identify the 6 terminals for power connections.
2. Ensure that the power terminals are connected using AWG18 wires.
3. Connect the positive connection from the Primary (Main) power supply to the red wire.
4. Connect the negative connection from the Primary (Main) power supply to the black wire.
5. Connect the positive connection to the device to be powered (Output) to the yellow wire.
6. Connect the negative connection to the device to be powered (Output) to the black wire.
7. The grey, green, and orange wires are used for optional voltage measurement of the two batteries.
8. Ensure that the gauge of the wires used for connections is 18AWG for power terminals and 22AWG for voltage divider terminals.

Refer to the designator table below for better understanding:

Designator	Main input	Main ground	Load	Battery positive	Battery negative	Voltage divider ground	Voltage divider main battery voltage	Voltage divider auxiliary battery voltage
Color	Red	Black	Yellow	White	Blue	Grey	Green	Orange
Gauge	18AWG	18AWG	18AWG	18AWG	18AWG	22AWG	22AWG	22AWG

Make sure to follow the instructions carefully for proper installation and usage of the PowerStream PST-UPS4 DC/DC UPS Controller.

The PST-UPS4 is used to provide standby power to a device operating on a nominal 12 volt DC power. The current capacity of the PST-UPS4 is 5 Amps.

Connections


There are 6 terminals for the power connections.

Power Connections

- The connection for the power terminals are AWG18 wires
- The positive connection from the Primary (Main) power supply should be connected to the red wire.
- The negative connection from the Primary (Main) power supply should be connected to the black wire .
- The positive connection to the device to be powered (Output) should be connected to the yellow wire.
- The negative wire to the device to be powered (Output) should be connected to the black wire
- The grey, green and orange wires are a voltage divider that allows optional measurement of the voltages of the two batteries..

Designator	Color	Gauge
Main input	Red	18AWG
Main ground	Black	18AWG
Load	Yellow	18AWG
Battery positive	White	18AWG
Battery negative	Blue	18AWG
Voltage divider ground	Grey	22AWG
Voltage divider main battery voltage	Green	22 AWG
Voltage divider auxiliary battery voltage	Orange	22AWG

Documents / Resources

	<p>PowerStream PST-UPS4 DC/DC UPS Controller [pdf] User Guide DC-UPS-1212-5A, PST-UPS4, PST-UPS4 DC DC UPS Controller, PST-UPS4 DC UPS Controller, PST-UPS4 UPS Controller, DC UPS Controller, UPS Controller, UPS, Controller</p>
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