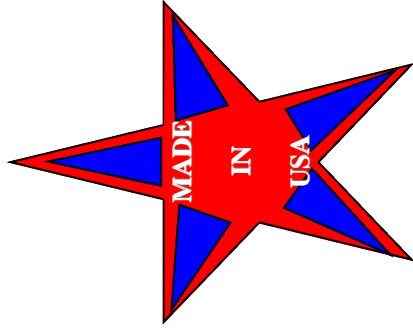




RJR Electronic Sales Inc.

Mineral City, Ohio 44656



MFG. BY: ATWOOD LAKE RESIDENT

Why a DC-DC Converter on electric vehicles?

The practice of "tapping off" a couple of batteries in a string of several batteries to obtain 12V for lighting is not a good idea. For one thing, the batteries used to obtain 12V will be drawing more current than the remaining batteries in the string. This will discharge those batteries more than the others and could result in those batteries being discharged beyond the recommended discharge level. Discharging batteries beyond their recommended discharge level will drastically shorten the life of the batteries. In addition, when the battery string is re-charged, the 12V tapped batteries will not be fully re-charged in the same amount of time that the other batteries in the string will be. This will accelerate the demise of the tapped batteries due to not being fully re-charged and forced to be discharged beyond their recommended discharge level. If the charger is left on the battery string long enough to recharge the 12V tapped batteries, then the remaining batteries will be overcharged, resulting in excessive gassing (an explosion hazard), and driving water out of the electrolyte. If the electrolyte level falls below the top of the plates, the batteries will be damaged.

In conclusion, "tapping off" a couple of batteries in a string of several batteries is NOT recommended and is strongly discouraged. The use of a Solid State DC-DC converter to efficiently convert the full battery string voltage to 12V for use with 12V lighting is the best solution and the only recommended solution.

Warranty & Disclosure available online or by request.

STREET LEGAL

LIGHTING



Golf carts



AMISH BUGGIES



LOCAL INSTALLATION AVAILABLE

ACCESSORIES

MODULAR UNIT, PICK AND CHOOSE WHICH OPTIONS YOU NEED.

Required Options:

PN: 052509-01E Controller, Electric

PN: 052509-01G Controller, Gas

PN: 052809-01 Power Supply, DC-DC

Converter 30V-55V Input, 12V output.

(Electric 36 & 48V systems)

Options:

PN: 052309-01DL Red Lamp Assembly

PN: 052309-01PR Red Lamp Assembly

PN: 052309-02DL Amber Lamp Assembly

PN: 052309-02PR Amber Lamp Assembly

PN: 072109-01 Brake Switch Assembly

PN: 072109-02 Headlight Assembly

PN: 072109-03 Horn Assembly

PN: 072109-04 License Plate Rear, LED

PN: 072109-05 Windshield Wiper Manual

PN: 092309-01 License Plate Front

PN: 101309-02 Rear view mirror, 5 panel.

PN: 101309-03 Tinted Windshield

PN: 101309-04 Clear Windshield

PN: 101309-01 Frame Assembly W/Windshield

PN: 101309-05 Frame Assembly WO/Windshield

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Controller



Power Supply



Headlights



Brake Light Switch



Front Lights



Rear Lights



Horn



Amish Buggy Option- Now it has the ability to have 4 way flashers. The Amish Buggy will have a total of 8 led lights, 2 each, red and amber in the back. The amber will be constant flashing, and the red will act as running, turn signal, and brake lights. The front will have 4 amber led lights. 2 located high will be constant flashing and the 2 located lower will act as running and turn signal lights.

052609-01 Light Controller

The 052609-01 Controller is used to control and perform the functions of (4) LED lamp assemblies, Brake lights, Turn Signals, 4 way Hazard flashers, Running (parking) lights, 2 Head Lights (55 Watt), Horn, and LED License Plate Light.

It requires 12VDC to operate, and on electric vehicles you would require the 052809-01 12VDC (DC DC Converter) Power Supply.

052809-01 12VDC Power Supply

The 052809-01 Power Supply is a High-Frequency DC-to-DC converter switching regulator. It has a pre-set output voltage of 13VDC and is capable of supplying up to 14 Amps (182 Watts). It will function with an input voltage in the range of 30VDC to 55VDC (it can be used with both 36 volt and 48 volt systems).

BENEFITS OF RJR LIGHTING SYSTEM



License Plate Rear Bracket

MODULAR-REUSABLE

COMPLETE SYSTEMS

COLOR CODED WIRING

PLUG IN WIRING ASSEMBLY

LED TECHNOLOGY

NON TECHNICAL INSTALLATION



Windshield Wiper



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