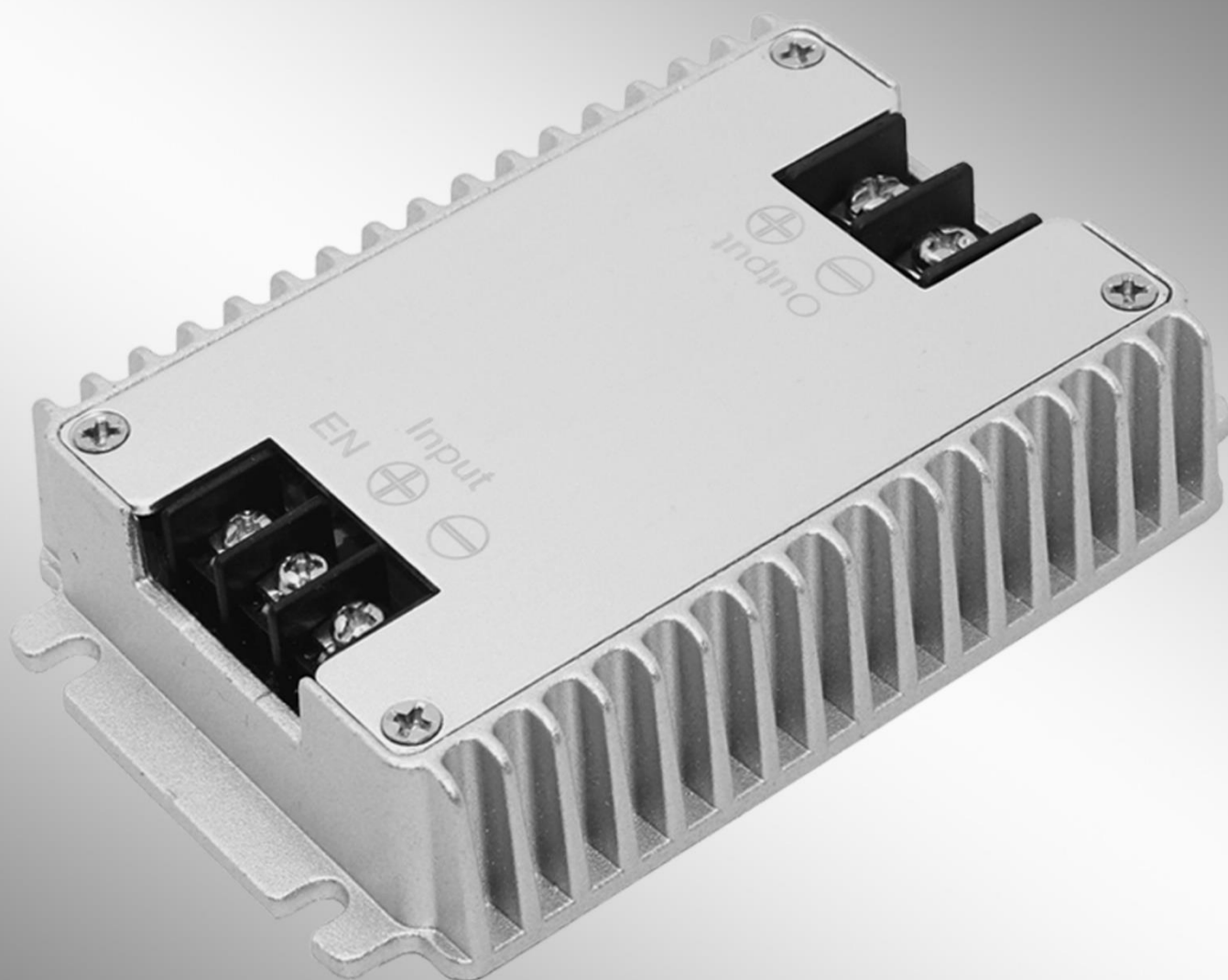


USER MANUAL

HIGH PERFORMANCE

DC/DC CONVERTER

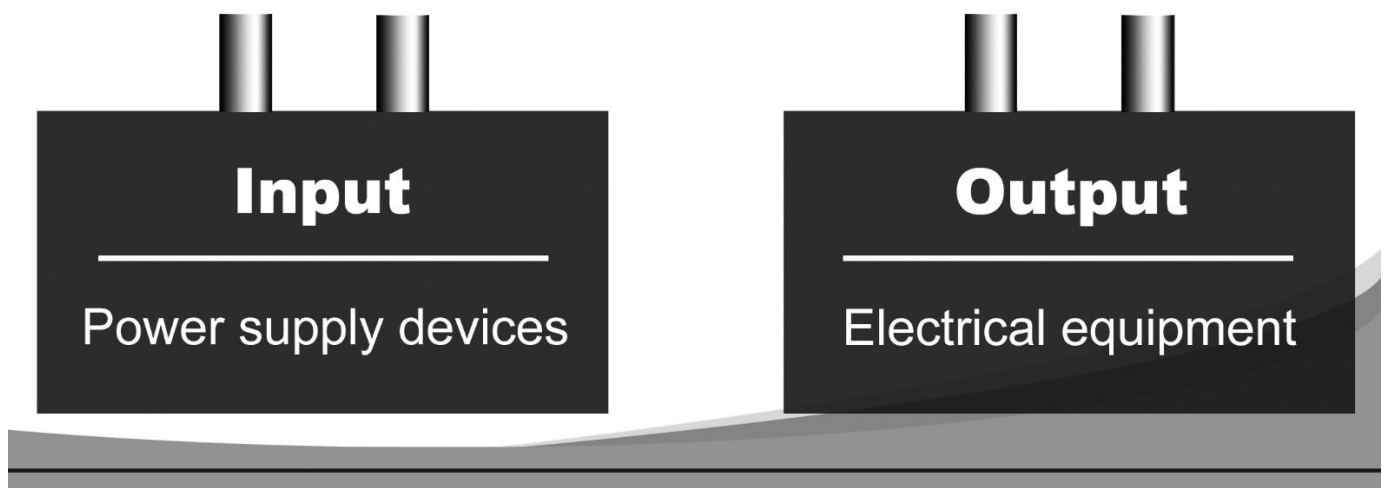


Thank you for purchasing our DC/DC Converter. Any electrical installations should be carried out by qualified person/s.

BEFORE USING THE PRODUCT

- A. Please confirm that the product is normal in appearance, the label and wiring are complete.
- B. Please read the product manuals and notices first, to see clearly the connection marks of the nameplates, and to confirm that the input voltage is consistent with the product parameters.
- C. If you need assistance setting up or using your SZWENGAO/RCNUN product now or in the future, call SZWENGAO/RCNUN support. E: info@wengaoelec.com, Tel: +86 0755-29418061

WIRE CONNECTION



WHEN USING THE PRODUCT

- A. Be sure to make the correct connection according to the product nameplate and the wire marking. The wrong connection (such as the connection error of the positive and negative pole, input and output) will cause the damage of the product, and even result in the danger of fire and so on.
- B. To ensure safety, a fuse should be connected to the input terminal to prevent the permanent damage caused by wrong connection of positive and negative pole and over-voltage. Some products have been installed the fuse before leaving the factory, and due to the current reason, you'd better match fuse for those products with no fuse. The principle of selecting fuse is $I(\text{Fuse})=2 * U_{\text{out}} (\text{Output Voltage}) * I_{\text{out}} (\text{Output Current})/U_{\text{min}} (\text{Min Input Voltage})$. $I(\text{Fuse})$ tell fuse in what current you need and you can choose the fuse which closes to the current value. The voltage of the fuse must be greater than the maximum input voltage.
- C. The working voltage of the product must be within the rated voltage range, and too high or too low voltage will influence normal working. The input voltage should be within the specified range of the product and has a certain margin. It is especially important to note that when the input terminal is battery powered, only the maximum voltage of the battery in full power will be able to work normally. In general, the maximum voltage of the battery is equal to 1.2 times of the nominal voltage. For example, a battery whose nominal voltage is 12v, then its maximum voltage is $12V*1.2$, it's to say, 14.4V.
- D. When connecting the product, it is necessary to ensure that the link between the conductor and the product is sufficiently reliable. If the contact is unreliable or the contact is bad, it will not be able to reach the rated power. In addition, when selecting the conductor, the line loss and heat condition while the wire is passing through the maximum current should be take into account. It is necessary to ensure that the wire temperature will not be too high when the product works at the maximum power. When the current passes through the line, the voltage of the product's input end should be guaranteed to be within the specified range. Therefore, when choosing wires, we should follow the principle of as thick and short as possible
- E. Make sure the load power you use is less than the maximum power provided by the product. If the environment ventilation is not very good, it is necessary to reduce the rated power to use. Generally speaking, the reduction voltage product has short-circuited protection function and the product which rises voltage has no short-circuit protection function, so when the boosting voltage product is used, it is important to make sure the output end will not be short-circuited.
- F. If the load types are some special types of loads, such as the inductive load of motor, please pay more attention when choosing the power supply. The starting current of this kind of load is very large and usually reaches 3-8 times of the rated load, so when choosing the power supply, the user should consider that whether the power supply can satisfy the maximum current which the motor needs during start up.
- G. To prevent the occurrence of connection error, please check the connections on each terminal again after finishing installation, confirm the correct of the input and output, the positive and negative pole connection and the voltage and current values.

Happy?

Yes!



Enjoy your product.



Write a product review.



Thank you!

No!



E-mail us!

info@wengaoelec.com

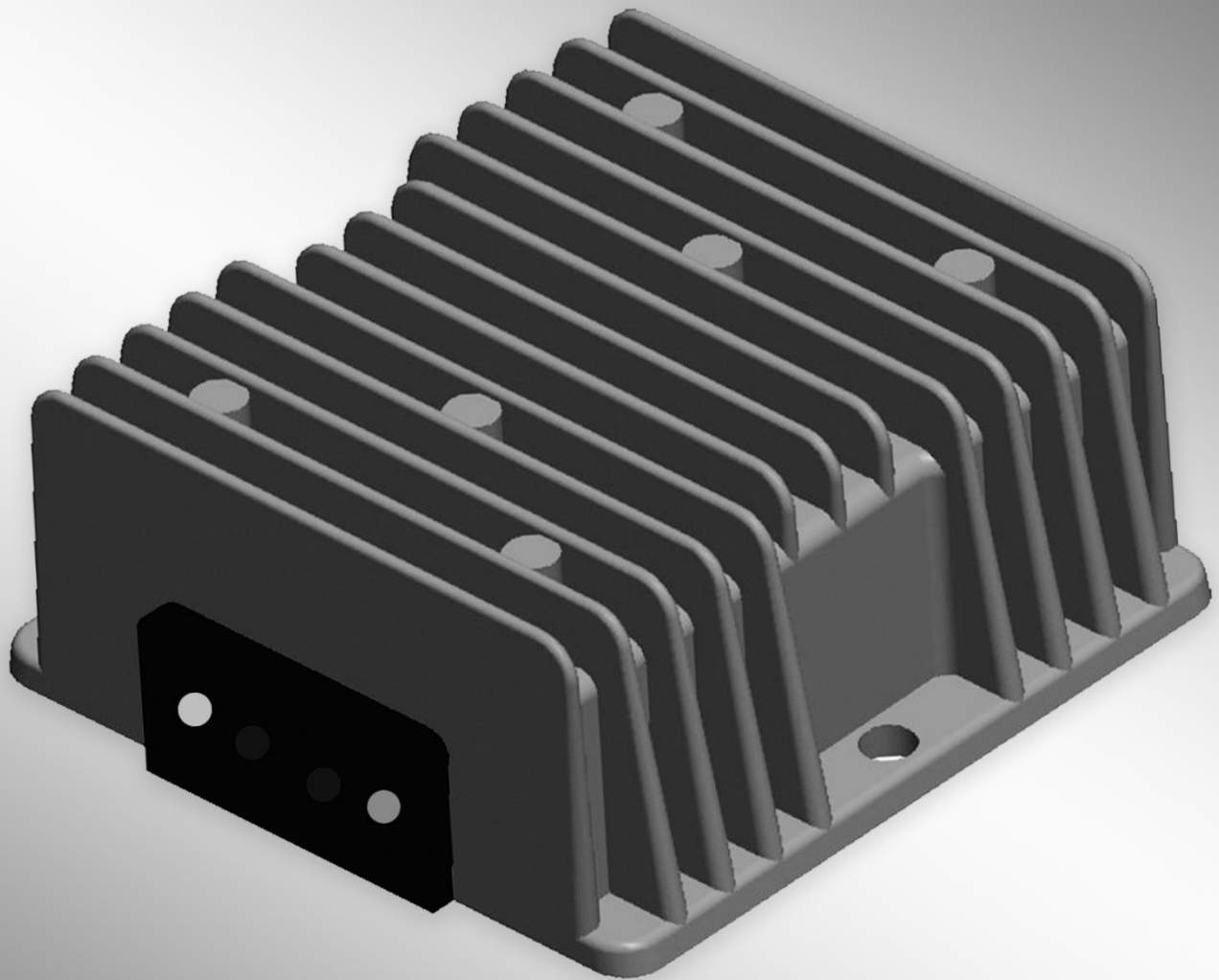
We find a solution!



Trust us!

CONTACT US

PERFORMANCE • POWER • PRECISION



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