

Before using the product

Warning

- When the product is in operation, inside there are components which have high voltage and high temperature. They may cause electrical shock or burn if you touch the internal components.
- Do not modify, disassemble or remove the enclosure of the product. This may cause electrical shock, burn or fire hazard.
- When the product is operating, keep your hands and face away from it. This may cause injury by accident.
- Install the product firmly in accord with the instruction manual. Inadequate installation may cause an electric shock, burn injury, or a fire hazard.
- The products should be installed by fully trained and experienced workers to avoid a possibility of electric shock or a fire hazard.
- Do not cover the product with things like cloth and paper. Do not put any flammable items around the products. It may cause a malfunction, an electric shock, or fire.

Attention

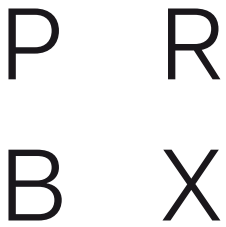
- It is necessary to read the instruction manual and datasheet. Please confirm the content of the datasheet and instruction manual before you use our products.
- Our products are designed and manufactured for the usage within ordinary industrial equipment, not for the usage requiring high safety (Such a high safety usage needs extremely high reliability. If neither reliability nor safety is secured, it will cause serious hazards on body or life directly). Although Powerbox makes every effort to improve quality and reliability, the products may accidentally malfunction or fail. Therefore for your safety, consider to set up a safety measure such as the fail-safe function (a system that a protection circuit and protection device are built in or that a redundancy circuit is inserted in order to prevent the instable operation by the sole failure of the products) when using the products for the high safety use. If customers use the products for the high safety usage above mentioned, Cosel will not be responsible for any compensation requests claimed by the customers and/or third parties.
- Use the products within the specified input voltage, output current, output power, range of ambient temperature and ambient humidity. If the products are used beyond the specifications, it may damage the products or cause smoke or fire.
- Do not use the products in environments with direct sunlight, some conductive substances, dust, water, condensation, strong electromagnetic field, or corrosive gas (such as hydrogen sulfide and sulfur dioxide). It may cause a malfunction or failure of the products, smoke or fire at the worst case.

General safety instruction power products

- If an internal fuse gets blown out, do not use the products by replacing the fuse. There may be some troubles in the products. Be sure to request us to repair the products.
- If the products do not have protection circuits such as protection elements and/or fuses, insert fuses in between our product and your equipment in order to prevent smoking and fire by abnormal operation of the products. An appropriate use of protection circuits is recommended even for the products with protection circuits since the internal protection circuit may not operate by some usage conditions. Also, be careful that internal fuses may not work depending on conditions of input line and input wiring.
- Use the only fuses designated or recommended by Powerbox for external fuses.
- Make sure to take a protective measure against the surge voltage brought by lightning and so on. An abnormal voltage may damage the products.
- Connect the frame ground terminal of the products to the safety ground terminal of your equipment for safety and reducing noise. If the ground connection is not made properly, it may cause an electric shock hazard.
- External abnormal voltage should not be applied to the output of the products. Especially, when reversed voltage or overvoltage beyond the actual output voltage is applied to the outputs, it may cause a failure, an electric shock, smoke, or fire.
- Components may remain high voltage and high temperature even in products without a cover. Do not touch them. Touching those components may cause an electric shock hazard or burn injury.
- Do not touch any components inside the products since they may remain high voltage and high temperature even though the products are not in operation. It can cause an electric shock hazard or burn injury.
- Do not modify, disassemble, or open the products. It may cause an electric shock hazard, burn injury, or a fire hazard. Cosel is not responsible for any damage caused by modifications, disassembles, or reworks.
- Stop using the products and cut off the power when unusual operations such as abnormal output, strange odor, peculiar sound, or smoke are found. It may cause an electric shock or a fire. Contact us when these abnormal incidents occur. Do not repair the products as it is very dangerous.
- Do not use the products when they are dropped or given an excessive shock. Dropping or giving shocks to the products may cause malfunction.
- When you export the product, please comply with all appropriate export-related laws, and procedures.

※ The content of the datasheet may be changed without advanced notice.

If necessary, please request product specification from our representatives before ordering.



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General safety instruction power products

Disclaimer

Regardless of whether or not the products are within the warranty period, Powerbox will not be responsible for any damage that is not attributed to Powerbox and for opportunity losses and lost earnings on customers caused by the products' failures. And regardless of whether or not Powerbox could predict, we will not take the responsibilities for any damage, secondary damage, compensations for accidents, damage on any products other than Powerbox products and other affairs caused by extraordinary conditions.