



## Caution

Before Using Our Products

V1.0 February 2020

**Please read datasheet and application note thoroughly before using**

Type : DC/DC Converters

### **! Warning**

- While the product is operating, some components inside the product have high voltage and high temperature. If you touch the components inside the product, it may cause electric shock or burn injury.
- DO NOT modify or disassemble the product or remove the case of the product. This may cause electric shock, burn or fire hazard. CINCON is not responsible for the unapproved actions mentioned above.
- While the product is operating, please keep your hands and face away from the product. Otherwise it may cause accidental injury. Please follow the application note to install the product firmly. Improper installation may cause electric shock, burn or fire hazard.
- The product should be installed by a fully trained and qualified worker or technician to avoid the electric shock, burn or fire hazard.
- DO NOT cover the product with items like cloth or paper. DO NOT place the product near to any flammable items. Otherwise it may cause product malfunction, electric shock, or fire.

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- Product individual notes are shown in the instruction manual. If there is any difference with common notes, individual notes shall take first priority.
- Before using CINCON product, please read the datasheet and the application note and make sure all the contents are fully understood.
- CINCON products are designed and manufactured for the usage of general industrial device/equipment, not for the usage where the high safety requirement is needed. (While you use the product, it requires high safety and reliability. If the safety and reliability are not secured, it would cause severe harm directly to human body or life.) Although CINCON makes greatest efforts to improve quality and reliability, the product may be accidentally malfunction or failed. Hence, for your safety, please consider setting up safety measures such as fault secure protection (including protection circuit or redundant power circuit to prevent the unstable situation caused by the sole failure of the products. If the customer uses the product for the usage mentioned previously. CINCON will not be responsible for any compensation requested and claimed by the customer or/and any third parties.
- Use the product within the specifications written on the datasheet such as input voltage, output current, output power, range of ambient temperature and humidity. If the products are used out of the written specifications, it may cause product damage, smoke or fire.
- DO NOT use the product in the environment with direct sunlight, some conductive foreign materials, dust, water, condensation, strong electromagnetic field, or corrosive gas (such as hydrogen sulfide and sulfur dioxide). The worst case would cause product malfunction/failure, smoke, or fire.
- If the products do not have protection circuits such as protection elements and/or fuses, please add fuses between our product and your equipment to prevent smoke and fire caused by abnormal operation of the product. An appropriate use of protection circuits is recommended even for the products with protection circuits since the internal protection circuit may not operate normally under some



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conditions. Also, be aware that internal fuses may not work depending on conditions of input line and input wiring.

- Use the fuses designated or recommended only by CINCON for external fuses.
- Ensure to set up protective measures in order to prevent the product from damage caused by surge voltage.
- Connect the ground terminal of the products to the safety ground terminal of your equipment for safety and reducing noise. If the ground connection is not connected correctly, it may cause electric shock.
- External abnormal voltage should not be applied to the output ports and signal ports of the product. Especially, while reversed voltage or overvoltage outside the range of the actual output voltage is applied to the outputs, it may cause a failure, an electric shock, smoke, or fire.
- DO NOT use the product after it is dropped or given an inordinate shock. Dropping or inordinate shocks to the products may cause malfunction.

※ **The contents of the datasheet and application note may be revised without notice. Please refer to the latest version of the documents for the most updated specifications.**

### Manufacturer: CINCON ELECTRONICS CO., LTD.

#### Headquarters:

14F, No.306, Sec.4, Hsin Yi Rd.  
Taipei, Taiwan  
Web Site: <http://www.cincon.com>

#### Factory1:

No. 8-1, Fu Kung Rd.  
Fu Hsing Industrial Park  
Fu Hsing Hsiang,  
Chang Hua Hsien, Taiwan

#### Factory2:

No.1 Jing Xiang Rd, DongCheng  
Foreign Trade Industrial Park,  
ZhuShan, DongCheng District,  
DongGuan, GuangDong, 523128, P.  
R. China.