

DC-UPS 100W

UNINTERRUPTIBLE POWER

SUPPLY

User Manual V1.0





Please read the instructions carefully before you start using your device. You fulfil step by step necessary specifications like installing settings, electrical connections and first operate system configurations carefully. After this stage, product owner/user have to keep this manual on known and visible place throughout product life.

- Use the product only indoors and in dry environments.
- Keep the product in a dry place.
- All service and repairs can only be done by Kontal Elektronik technical service. The product should not be intervened by any other persons.
- Each product working voltage is described on own label. Do not supply the product with a different source outside this voltage range.



If the product is used in violation of the above-mentioned items, it may cause fire, personal injury, or damage to the product or the structure in which the product is installed. Kontal Elektronik Ltd does not accept any responsibility for such situations caused by the user

- ✓ This exclamation mark will be used to highlight important points.



Do not touch supply input of the product with bare hands.

- ✓ This electric mark will be used to highlight electricity hazard.



- ✓ This sign on the label indicates that the supply voltage of the product is DC.



This symbol on the product or its box indicates that this product cannot be treated as normal household waste. Instead, the product should be delivered to designated collection points for the recycling of electronic equipment. Incorrect disposal of the product can have negative consequences for the environment and human health.



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Please make sure that grounding is done for the product to work properly.

1.DEFINITION

DC-UPS power supply developed and produced by Kontal Elektronik will be an effective solution against power outages in your applications. The technical specifications and working structure of our DC-UPS Power supplies are available below.

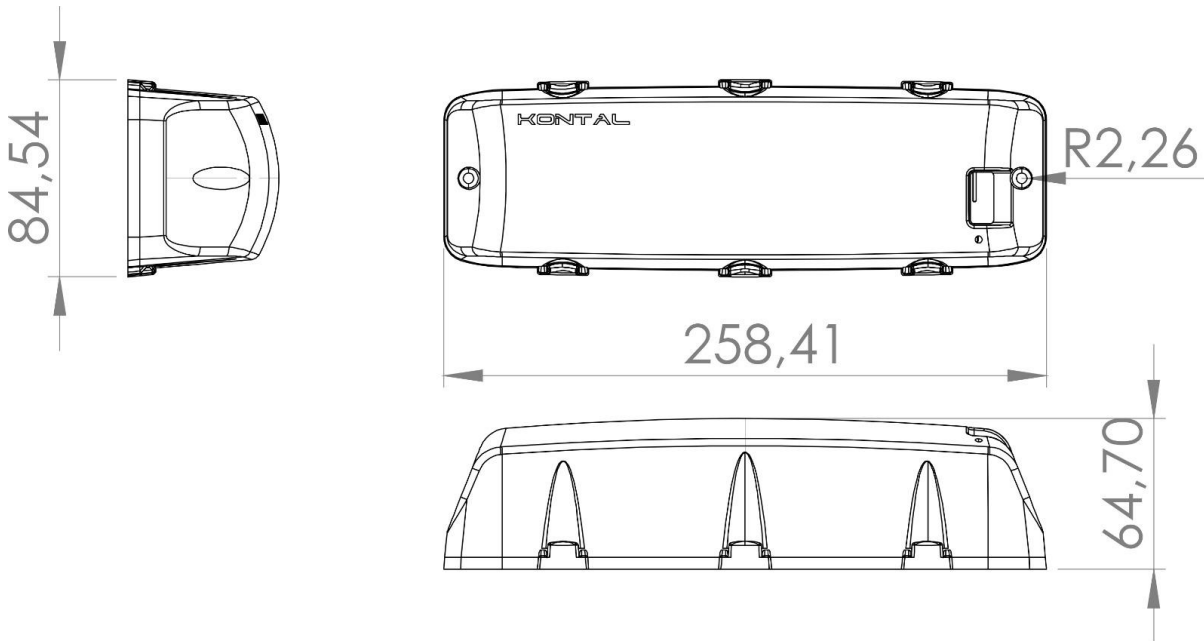
2.TECHNICAL SPECIFICATIONS

Model	: DC-UPS
Product Code	: K192-01
Operating Voltage	: 20V DC to 30V DC range
Output Voltage	: 24V DC
Maximum Output Power	: 100 W
Battery Type	: Maintenance-Free Sealed Lead-Acid (SLA) UPS Battery
Number of Batteries	: 2 x 12V / 1.3Ah
Battery Charging Time	: 8 hours
Protection	: Automatic Shutdown on Voltage Level Drop
Dimensions	: 258 x 84 x 64 mm

2.1. Operating Structure of the DC-UPS Power Supply

DC-UPS power supply is designed to ensure that the system continues to operate during power outages in DC motor control systems. When input voltage is present, the system charges the batteries. In the event of a power outage, the system continues to operate using the batteries. The buzzer on the board emits a sound once every minute in this case, indicating that the system is running on battery power. When the batteries drop below a certain level, the buzzer will sound every 20 seconds. When power is restored, the DC-UPS board automatically recharges the batteries. This ensures that your DC motor control unit continues to operate without being affected by power outages.

3.DC-UPS UNINTERRUPTIBLE POWER SUPPLY



4.CONNECTION SCHEMA

