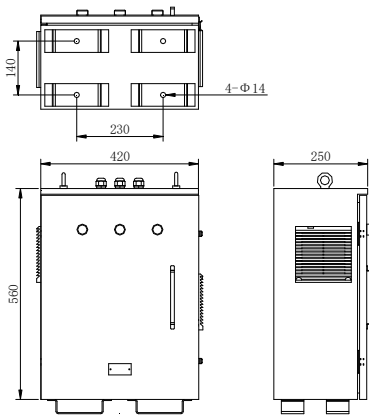
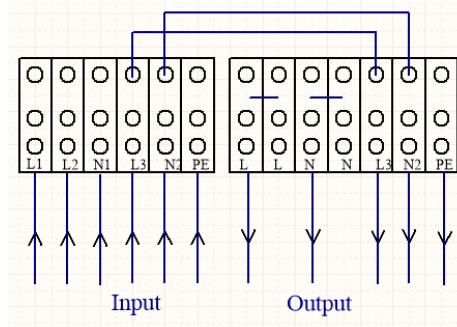




Mounting Dimension ( Unit : mm )



Wire Connection



Application



### Application

300W series of industrial-grade UPS with the whole high efficiency, reliable performance, easy maintenance and management, is a set of security, intelligence, humanity intergrated high-performance industrial uninterruptible power supply. It is used in wind turbine internal lighting systems and other industrial lighting systems.

### Major functions and features

- Using industry-standard design, fully adapt to the harsh industrial environment
- Pure sine wave output
- Efficiency up to 90%
- Multiple protection type design: Output short circuit / overload / overvoltage / over temperature / battery low voltage alarm
- Using colloidal batteries, compared to conventional lead-acid batteries, life doubled
- Battery packs maintainable design

### Specifications

Input Voltage	AC200V-AC240V	Input Frequency	50/60Hz
Output Voltage	AC200V-AC240V	Output Frequency	50/60Hz
Output Waveform	Pure sine wave	IP Rate	IP54
Rated Power Consumption	300W	Emergency time	90min
Cooling fan power consumption	18W ( It opens when Cabinet temperature up to 35 °C )		
Operating Temperature	-30°C ~ +50°C	Humidity	10% ~ 95% (No coagulation )

### Operation Instruction

- Make sure that the input voltage matches the controller's rated voltage.
- The upper part of the controller housing is equipped with M25 waterproof connector, which then enter the input line and output line.
- Please insert the plug of UPS before electricity.
- Please refer to the below wire connection.
  - L1 and N1 are mains inputs ;
  - L2 and N1 are emergency charge inputs ;
  - L3 and N2 spare
- L1 and L2 are connected to the power supply, L1 for the load power supply; when L1 and L2 off, the battery through the inverter for the load power supply
- Indicator status (refer to during maintenance) :
  - L1: Red light L1 Turns on the power indicator
  - L2 : Red light is connected to the power indicator
  - Load : Green light on load output indication
- Fan working status description:
  - When the internal temperature of the controller box is higher than the set value (factory setting 35 °C), the upper fan starts to dissipate heat, and convection is formed with the lower filter port, which reduces the cabinet temperature.

**Debugging process and routine troubleshooting**

- Disconnect the external input cable from the power supply
- Ensure that the inverter (-V3) switch is turned on before the device is powered on
- Turn on the external power supply and then turn on the breaker Q1 Q2 Q3 and observe the indicator light on the cabinet lid.
- When the indicator light is on after power-on, the AC contactor will have a small sound, indicating that the power-on device is in normal working
- Under normal conditions, the three indicators are on and the green light is on in case of emergency. When all the indicator lights are off, please turn off power and overhaul it.

**Note**

- Under emergency mode, this product' s rated output consumption is purely resistive loading. If it is capacitive load or inductive load, you should lower the power rate.
- This product will be slightly warm when working, it is normal.
- Do not touch live parts while the product is working to prevent danger.
- It is recommended to charge and discharge the product once every six months.
- When replacing the battery pack, disconnect all three circuit breakers.
- Please disconnect the breaker during wiring, close the circuit light after the input (output) wiring is completed.
- Disconnect the Q3 circuit breaker when the device is not in use for a long time, so that the battery is exhausted.

