



# AC → DC SWITCHING POWER SUPPLY

# LTP1960D SERIES

All the patents are held accountable counterfeiting.

## Features



### Green Power

- Standard/Din Rail Mounting Dual Purpose
- Easy mounting (one-step installation)
- Comply with High Efficiency Power 80Plus Criterion
- 92% High Efficiency
- Split rail & Series connection possible
- Fan cooling
- 100% burn-in test
- 2 years warranty
- Output modify range: 24V~48VDC

DIMENSIONS:131(H)\*119(D)\*60.5(W)mm

WEIGHTS: 950g

## General specifications

### INPUT

|                       |                                    |
|-----------------------|------------------------------------|
| Input range           | 3 phase input 340~550VAC           |
| Input frequency       | 47~63Hz                            |
| Inrush current (25°C) | 60A/380VAC                         |
| Power factor          | 83% Min./400VAC<br>80% Min./400VAC |

### OUTPUT

|                      |                            |
|----------------------|----------------------------|
| Hold-up time         | 18ms/400VAC<br>20ms/500VAC |
| Short protection     | Re-power on to recover     |
| Over load protection | Short-circuit protection   |

## Detail specifications

### 960 Watts

| MODEL            | O/P Volt Adj. ± % | Load(Current) <sup>1</sup> |       |      | Ripple & Noise <sup>4</sup> | Line REG. <sup>2</sup> | Load REG. <sup>3</sup> | Efficiency <sup>5</sup> | O.V.P        |
|------------------|-------------------|----------------------------|-------|------|-----------------------------|------------------------|------------------------|-------------------------|--------------|
|                  |                   | Min.                       | Rated | Max. |                             |                        |                        |                         |              |
| LTP1960D-24CENDA | V : +24V ±10%     | 0A                         | 40A   | 40A  | 200mV                       | ±1%                    | ±1%                    | 92% Ref.                | 31.4 ~ 34.7V |
| LTP1960D-48CENDA | V : +48V ±10%     | 0A                         | 20A   | 20A  | 480mV                       | ±1%                    | ±1%                    | 92% Ref.                | 64.6 ~ 71.4V |

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: LTP1960D-24CEN□□

Optional Function:

Terminal Block: "E" : Mini Terminal Block

"N" : No Power Ready Relay Function

Monitor: " " : No Monitor  
 "D" : Monitor Display  
 Type: " " : No Display Function  
 "A" : Output Voltage Display

## CE Standards

EN 55032, EN 55035,  
 EN 61000-3-2, EN 61000-3-3,  
 (EN 61000-4-2, EN 61000-4-3,  
 EN 61000-4-4, EN 61000-4-5,  
 EN 61000-4-6, EN 61000-4-8,  
 EN 61000-4-11)  
 Heavy Industry level, criteria A  
 LVD: EN 62368-1

## Safety Standards



UL 508 Meet



CE Meet

## Environments

|                       |                            |
|-----------------------|----------------------------|
| Operating Temperature | -10 ~ 60°C, Ambient        |
| Operating Humidity    | 20 ~ 90% RH, No Condensing |
| Storage Temperature   | -20 ~ 85°C, Ambient        |
| Vibration             | 2G, 10~500Hz, 3 axes       |

## NOTE

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 3 phase 380VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 3 phase 380VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 3 phase 380VAC input.
6. Hold-up time is measured at rated load and 3 phase 380VAC input.
7. Output Voltage Adjustable is measured on 5% of rated load.
8. The product uses metal enclosure for cooling. To ensure product lifespan, a clearance of at least 1 cm at the side of the product, 2 cm at top and bottom of the product should be maintained when installing.
9. Reign Power reserve the right to change specifications at any time without notice.

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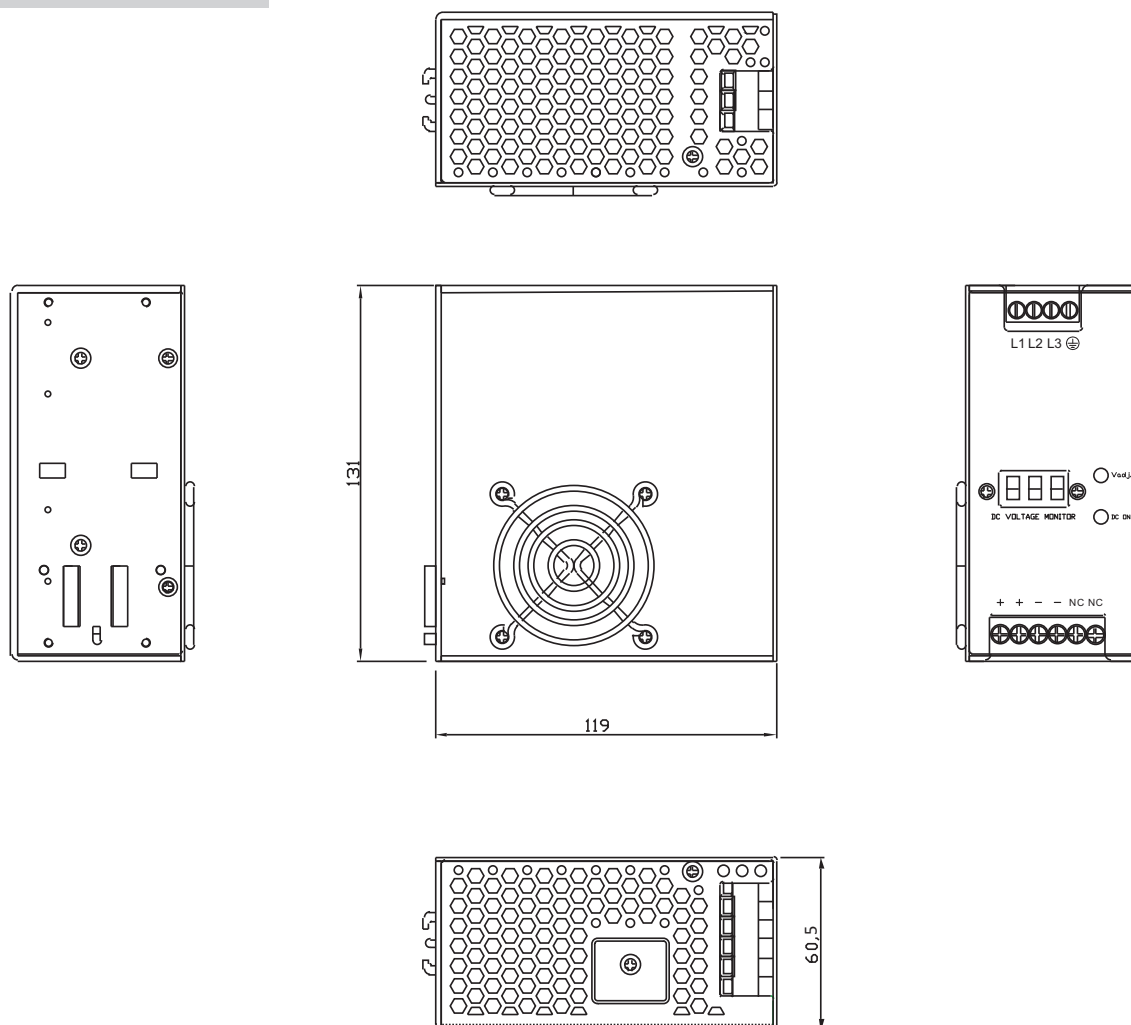


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## Mechanical Details



## Panel Designation

**CASE NO. : CS480DR**

**UNIT : mm**

**DIMENSION : 131(H)\*119(D)\*60.5(W)**

**MATERIAL : ALUMINUM**

**COLOR : ORIGINAL ALUMINUM**

| Symbol             | Description                      |
|--------------------|----------------------------------|
| L1~L3              | Line Terminal Of AC Input        |
|                    | Grounding (Earth)                |
| +                  | DC Positive Output Terminal      |
| -                  | DC Negative Output Terminal      |
| DC Voltage Monitor | Display Output Voltage           |
| V adj.             | Potentiometer For Output Voltage |
| DC ON              | Blue LED Indicator               |
| NC                 | No Output Terminal               |