



All the patents are held accountable counterfeiting.

Features



Green Power

- UL508, EN 62368 approved
- Standard/Din Rail Mounting Dual Purpose
- Easy mounting (one-step installation)
- Full Range Input with PFC
- Comply with High Efficiency Power 80Plus Criterion
- 94% High Efficiency
- Models with output voltage lower than 130VDC are build-in output stability monitor
- Split rail & Series connection possible
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~500VDC

DIMENSIONS:131(H)*119.2(D)*60.7(W)mm

WEIGHTS: 930g

General specifications

INPUT

Input range 90~264VAC
120~380VDC

Input frequency 47~63Hz

Max. I/P current / Inrush current (25°C) 5.3A/20A@110VAC
2.35A/40A@220VAC

Power factor 95% Min.

OUTPUT

Hold-up time 16ms

Short protection Re-power on to recover

Over load protection Short-circuit protection

Optional 5V/3A AUX output for models which output voltage lower than 40VDC

Detail specifications

480 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P
		Min.	Rated	Max.					
RPH1480D-24CENDA	V : +24V ±10%	0A	20A	20A	240mV	±1%	±1%	94% Ref.	31.4 ~ 34.7V
RPH1480D-36CENDA	V : +36V ±10%	0A	13.3A	13.3A	360mV	±1%	±1%	94% Ref.	47.8 ~ 53.2V
RPH1480D-48CENDA	V : +48V ±10%	0A	10A	10A	480mV	±1%	±1%	94% Ref.	64.6 ~ 71.4V
RPH1480D-110CENDA	V : +110V ±10%	0A	4.36A	4.36A	1100mV	±1%	±1%	94% Ref.	150 ~ 175V
RPH1480D-125CENDA	V : +125V ±10%	0A	3.84A	3.84A	1250mV	±1%	±1%	94% Ref.	156 ~ 175V
RPH1480D-250CEN	V : +250V ±10%	0A	1.92A	1.92A	2500mV	±1%	±1%	94% Ref.	310 ~ 360V
RPH2480D1	V1 : +24V ±10% V2 : +5V	0A 0A	19.3A 3A	19.3A 3A	240mV 40mV	±1% ±1%	±1% ±1%	89% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
RPH2480D2	V1 : +24V ±10% V2 : +12V	0A 0A	18.5A 3A	18.5A 3A	240mV 80mV	±1% ±1%	±1% ±1%	89% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
RPH2480D3	V1 : +48V ±10% V2 : +5V	0A 0A	9.86A 1.3A	9.86A 1.3A	480mV 40mV	±1% ±1%	±1% ±1%	94% Ref.	64.6 ~ 71.4V 5.8 ~ 7.0V
RPH2480D4	V1 : +110V ±10% V2 : +5V	0A 0A	4.3A 1.3A	4.3A 1.3A	1100mV 40mV	±1% ±1%	±1% ±1%	94% Ref.	150 ~ 170V 5.8 ~ 7.0V

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

Order Model: RPH1480D-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



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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 APPROVAL



CE Marking

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

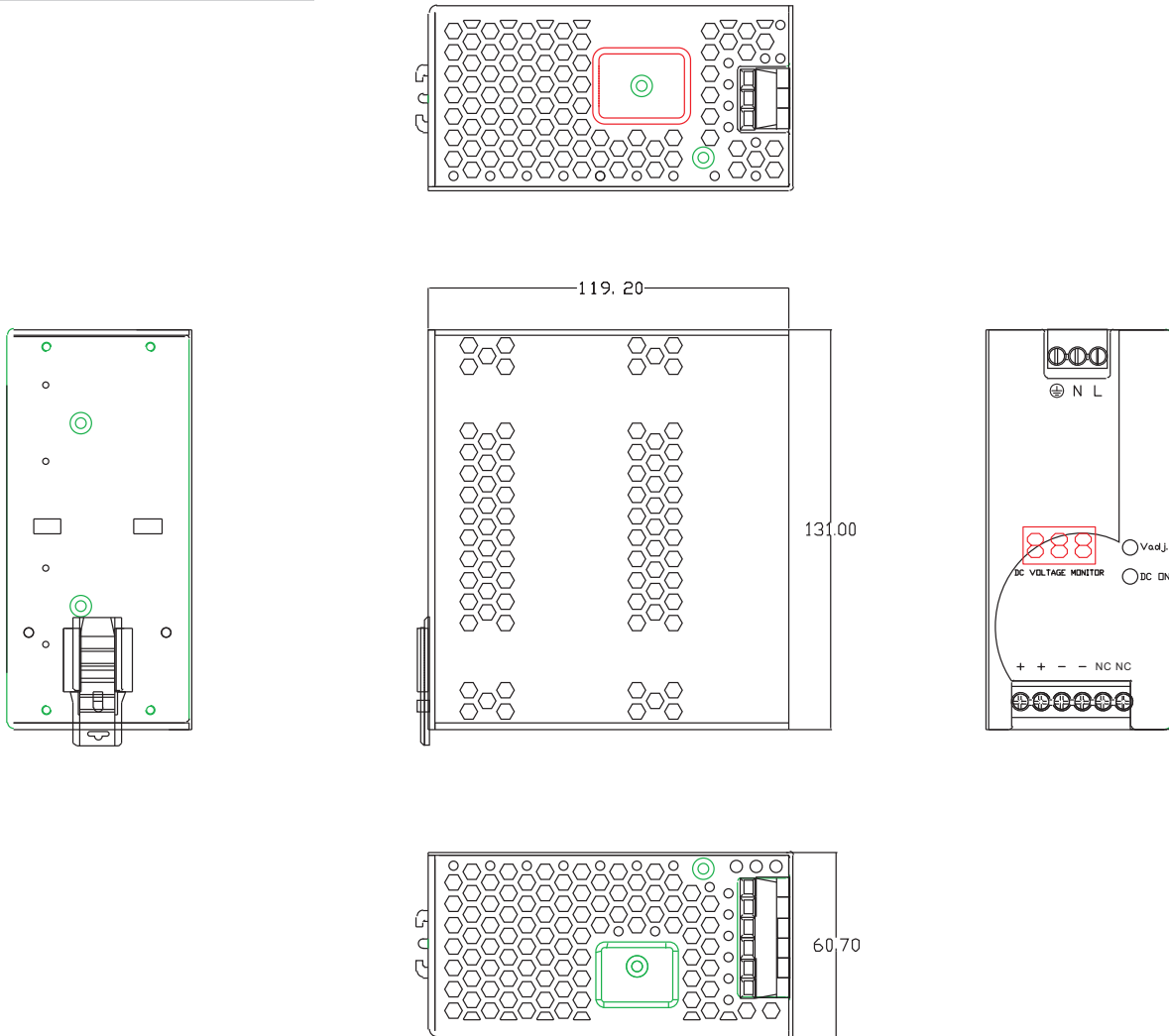
NOTE

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 220VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC 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 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.
7. With ● are CE safety approval, but no UL safety approval.
8. With ▲ are no Monitor Display.
9. Output Voltage Adjustable is measured on 5% of rated load.
10. 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.
11. Reign Power reserve the right to change specifications at any time without notice.



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Mechanical Details



Panel Designation

CASE NO. : CS480DR
UNIT : mm
DIMENSION : 131(H)*119.2(D)*60.7(W)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

Symbol	Description
L	Line Terminal Of AC Input (No Polarity At DC Input)
N	Neutral Terminal Of AC Input (No Polarity At DC 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



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Circuit Block Diagram

PFC frequency: 65KHz
PWM frequency: 80KHz

