



AC → DC SWITCHING POWER SUPPLY

RPH1960D SERIES

All the patents are held accountable counterfeiting.

Features

Green Power

- Standard/Din Rail Mounting Dual Purpose
- Easy mounting (one-step installation)
- Full Range Input with PFC
- Comply with High Efficiency Power 80Plus Criterion
- 96% High Efficiency
- 150% Peak power for 10 seconds
- Models with output voltage lower than 150VDC 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:125.9(H)*80(D)*240(W)mm

WEIGHTS: 2000g

General specifications

INPUT

Input range

180~264VAC
250~380VDC

Input frequency

47~63Hz

Inrush current (25°C)

20A/220VAC

Power factor

95% Min.

OUTPUT

Hold-up time

10ms

Short protection

Re-power on to recover

Over load protection

Short-circuit protection

Detail specifications

960 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	Peak(10s) 1500W					
RPH1960D-24CENDA	V : +24V	0A	40A	60A	240mV	±1%	±1%	95% Ref.	31.4 ~ 34.7V
RPH1960D-36CED(Smart Alert) RPH1960D-36CENDA	V : +36V	0A	26.6A	40A	360mV	±1%	±1%	96% Ref.	47.8 ~ 53.2V
RPH1960D-48CED(Smart Alert) RPH1960D-48CENDA	V : +48V	0A	20A	30A	480mV	±1%	±1%	96.3% Ref.	64.6 ~ 71.4V
RPH1960D-110CENDA	V : +110V	0A	8.7A	13A	1100mV	±1%	±1%	96% Ref.	150 ~ 175V
RPH1960D-125CENDA	V : +125V	0A	7.68A	11.5A	1250mV	±1%	±1%	96% Ref.	156 ~ 175V
RPH1960D-250CEN	V : +250V	0A	3.84A	5.76A	2500mV	±1%	±1%	96% Ref.	310 ~ 360V
▲ RPH2960D1	V1 : +24V V2 : +5V	0A 0A	39A 3A	58.5A 3A	240mV 40mV	±1% ±1%	±1% ±1%	95% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
▲ RPH2960D2	V1 : +24V V2 : +12V	0A 0A	38A 3A	57A 3A	240mV 80mV	±1% ±1%	±1% ±1%	95% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
▲ RPH2960D3	V1 : +36V V2 : +5V	0A 0A	26A 3A	39A 3A	360mV 40mV	±1% ±1%	±1% ±1%	96% Ref.	47.8 ~ 53.2V 5.8 ~ 7.0V
▲ RPH2960D4	V1 : +36V V2 : +12V	0A 0A	25A 3A	37.5A 3A	240mV 80mV	±1% ±1%	±1% ±1%	96% Ref.	47.8 ~ 53.2V 17.1 ~ 18.9V



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MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Peak(10s) 1500W					
▲ RPH3960D1	V1 : +36V V2 : +24V V3 : +5V	0A 0A 0A	24A 3.5A 3A	36A 3.5A 3A	360mV 240mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	95% Ref.	47.8 ~ 53.2V 31.4 ~ 34.7V 5.8 ~ 7.0V
▲ RPH3960D2	V1 : +36V V2 : +12V V3 : +5V	0A 0A 0A	25A 3.5A 3A	37.5A 3.5A 3A	360mV 80mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	95% Ref.	47.8 ~ 53.2V 17.1 ~ 18.9V 5.8 ~ 7.0V
▲ RPH3960D3	V1 : +48V V2 : +24V V3 : +12V	0A 0A 0A	18A 3.5A 1.2A	27A 3.5A 1.2A	480mV 240mV 80mV	±1% ±1% ±1%	±1% ±1% ±1%	96% Ref.	64.6 ~ 71.4V 31.4 ~ 34.7V 17.1 ~ 18.9V
▲ RPH3960D4	V1 : +48V V2 : +12V V3 : +5V	0A 0A 0A	18.5A 3.5A 1.3A	27.75A 3.5A 1.3A	480mV 80mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	96% Ref.	64.6 ~ 71.4V 17.1 ~ 18.9V 5.8 ~ 7.0V

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

Order Model: RPH1960D-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 Marking

Environments

Operating Temperature

Operating Humidity

Storage Temperature

Vibration

-10 ~ 60°C, Ambient

20 ~ 90% RH, No Condensing

-20 ~ 85°C, Ambient

2G, 10~500Hz, 3 axes

NOTE

- Each output can provide up to maximum load, but total load can not exceed rated output power.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% of rated load at 220VAC input.
- 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.
- Efficiency is measured at rated load and 220VAC input.
- Hold-up time is measured at rated load and 220VAC input.
- With ● are CE safety approval, but no UL safety approval.
- With ▲ are no Monitor Display.
- Output Voltage Adjustable is measured on 5% of rated load.
- 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.
- Reign Power reserve the right to change specifications at any time without notice.

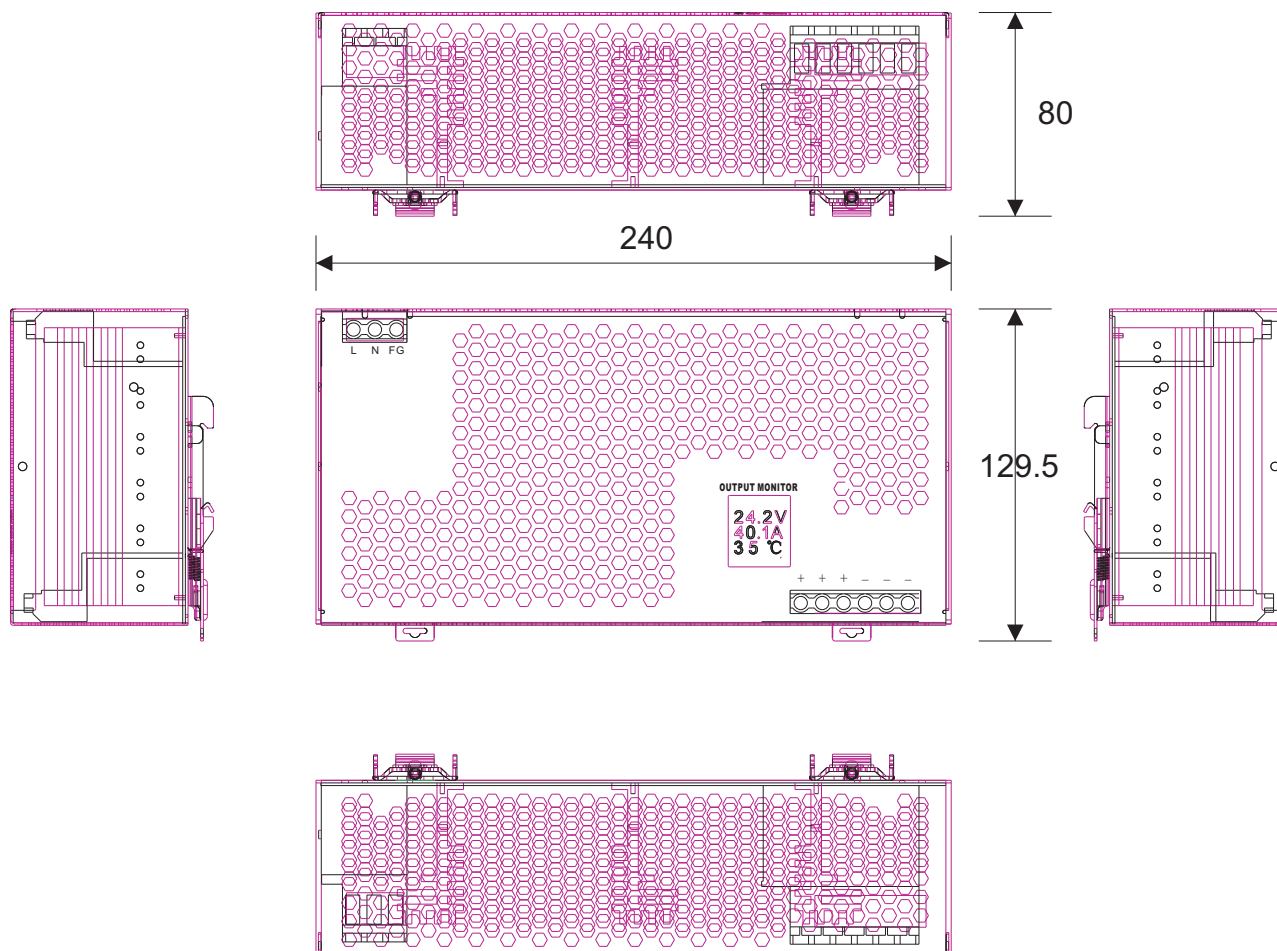


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Mechanical Details



Panel Designation

CASE NO. : CS960DR

UNIT : mm

DIMENSION : 129.5(H)*80(D)*240(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)
FG	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
OUTPUT MONITOR	Voltage/Current/Temperature Display