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## 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
- Split rail & Series connection possible
- Fan cooling
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~500VDC

DIMENSIONS: 119(H)\*75(D)\*248.6(W)mm

WEIGHTS: 1750g

## 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

### 1200 ~ 2000 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.					
RPH11K2-12CENDA	V : +12V	0A	100A	100A	120mV	±1%	±1%	92% Ref.	15.6 ~ 16.8V
RPH12K0-24CENDA	V : +24V	0A	83A	83A	240mV	±1%	±1%	93% Ref.	31.4 ~ 34.7V
RPH12K0-36CENDA	V : +36V	0A	55.5A	55.5A	360mV	±1%	±1%	94% Ref.	47.8 ~ 53.2V
RPH12K0-48CENDA	V : +48V	0A	41.6A	41.6A	480mV	±1%	±1%	94.5% Ref.	64.6 ~ 71.4V
RPH12K0-110CENDA	V : +110V	0A	18.2A	18.2A	1100mV	±1%	±1%	95% Ref.	150 ~ 175V
RPH12K0-125CENDA	V : +125V	0A	16A	16A	1250mV	±1%	±1%	95% Ref.	156 ~ 175V
RPH12K0-250CEN	V : +250V	0A	8A	8A	2500mV	±1%	±1%	95% Ref.	310 ~ 360V
RPH21K2-1	V1 : +12V V2 : +5V	0A 0A	165A 3A	165A 3A	120mV 40mV	±1% ±1%	±1% ±1%	92% Ref.	15.6 ~ 16.8V 5.8 ~ 7.0V
RPH22K0-1	V1 : +24V V2 : +5V	0A 0A	82A 3A	82A 3A	240mV 40mV	±1% ±1%	±1% ±1%	92% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
RPH22K0-2	V1 : +24V V2 : +12V	0A 0A	81A 3A	81A 3A	240mV 80mV	±1% ±1%	±1% ±1%	92% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
RPH22K0-3	V1 : +36V V2 : +5V	0A 0A	55A 3A	55A 3A	360mV 40mV	±1% ±1%	±1% ±1%	92.5% Ref.	47.8 ~ 53.2V 5.8 ~ 7.0V
RPH22K0-4	V1 : +36V V2 : +12V	0A 0A	54A 3A	54A 3A	240mV 80mV	±1% ±1%	±1% ±1%	92.5% Ref.	47.8 ~ 53.2V 17.1 ~ 18.9V



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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.					
RPH31K2-1	V1 : +12V V2 : -12V V3 : +5V	0A 0A 0A	146A -0.65A 3A	146A -0.65A 3A	120mV 120mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	92% Ref.	15.6 ~ 16.8V -15.6 ~ -16.8V 5.8 ~ 7.0V
RPH32K0-1	V1 : +36V V2 : +24V V3 : +5V	0A 0A 0A	50A 6.5A 3A	50A 6.5A 3A	360mV 240mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	92.5% Ref.	47.8 ~ 53.2V 31.4 ~ 34.7V 5.8 ~ 7.0V
RPH32K0-2	V1 : +36V V2 : +12V V3 : +5V	0A 0A 0A	52A 8A 3A	52A 8A 3A	360mV 80mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	93% Ref.	47.8 ~ 53.2V 17.1 ~ 18.9V 5.8 ~ 7.0V
RPH32K0-3	V1 : +48V V2 : +24V V3 : +12V	0A 0A 0A	38A 6.5A 1.2A	38A 6.5A 1.2A	480mV 240mV 80mV	±1% ±1% ±1%	±1% ±1% ±1%	93% Ref.	64.6 ~ 71.4V 31.4 ~ 34.7V 17.1 ~ 18.9V
RPH32K0-4	V1 : +48V V2 : +12V V3 : +5V	0A 0A 0A	39A 8A 1.3A	39A 8A 1.3A	480mV 80mV 40mV	±1% ±1% ±1%	±1% ±1% ±1%	93% 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: RPH12K0D-24C

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

-10 ~ 60°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

-20 ~ 85°C, Ambient

Vibration

2G, 10~500Hz, 3 axes

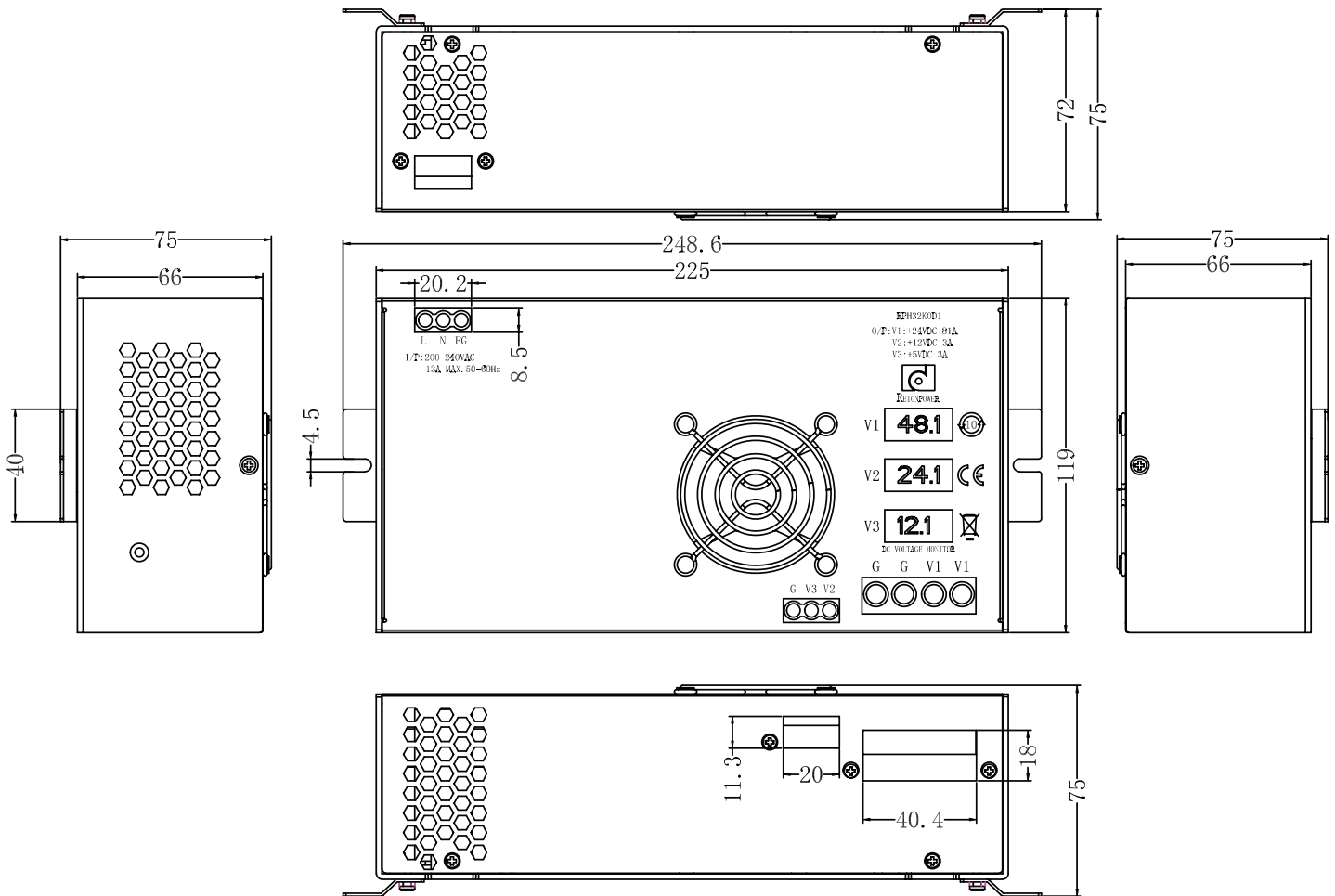
### NOTE

- 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.
- 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. : CS12K0  
UNIT : mm  
DIMENSION : 119(H)\*75(D)\*248.6(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)
V1	DC V1 Output Terminal
V2	DC V2 Output Terminal
V3	DC V3 Output Terminal
G	DC Output Grounding Terminal
OUTPUT MONITOR	Voltage Display