AC ➡ DC SWITCHING POWER SUPPLY

RPH12K0D 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
- Split rail & Series connection possible
- Fan cooling
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~500VDC

DIMENSIONS:127.8(H)*78.7(D)*225(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) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P
		Min.	Rated	Max.					
RPH11K2D-12CENDA	V : +12V	0A	100A	100A	120mV	±1%	±1%	92% Ref.	15.6 ~ 16.8V
RPH12K0D-24CENDA	V : +24V	0A	83A	83A	240mV	±1%	±1%	93% Ref.	31.4 ~ 34.7V
RPH12K0D-36CENDA	V : +36V	0A	55.5A	55.5A	360mV	±1%	±1%	94% Ref.	47.8 ~ 53.2V
RPH12K0D-48CENDA	V : +48V	0A	41.6A	41.6A	480mV	±1%	±1%	94.5% Ref.	64.6 ~ 71.4V
RPH12K0D-110CENDA	V : +110V	0A	18.2A	18.2A	1100mV	±1%	±1%	95% Ref.	150 ~ 175V
RPH12K0D-125CENDA	V : +125V	0A	16A	16A	1250mV	±1%	±1%	95% Ref.	156 ~ 175V
RPH12K0D-250CEN	V : +250V	0A	8A	8A	2500mV	±1%	±1%	95% Ref.	310 ~ 360V
RPH21K2D1	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
RPH22K0D1	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
RPH22K0D2	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
RPH22K0D3	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
RPH22K0D4	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) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P
		Min.	Rated	Max.					
RPH31K2D1	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
RPH32K0D1	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
RPH32K0D2	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
RPH32K0D3	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
RPH32K0D4	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 E N □ □

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

c UL us E225775 **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

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. Output Voltage Adjustable is measured on 5% of rated load.
9. 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.
10. Reign Power reserve the right to change specifications at any time without notice.

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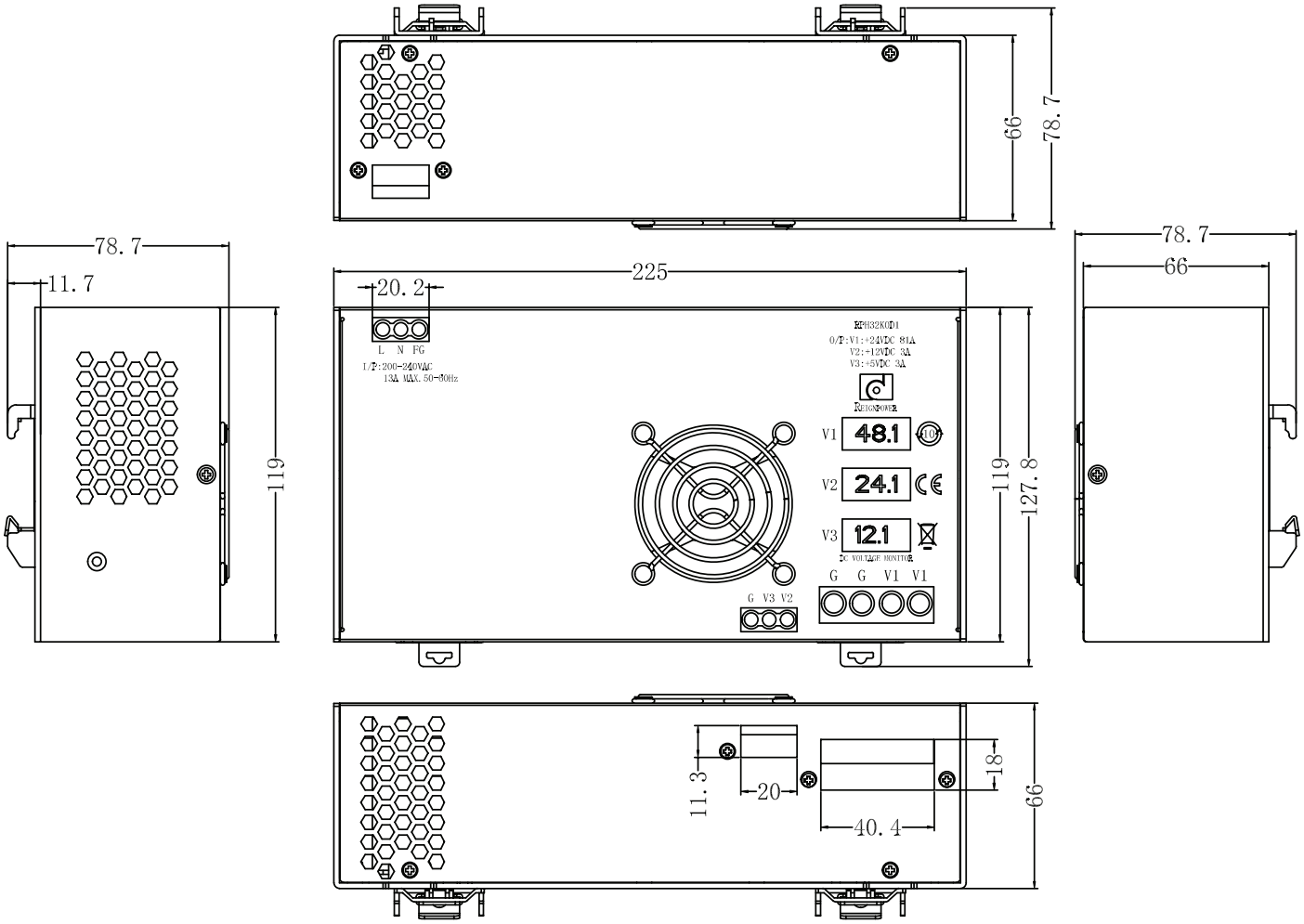
Mechanical Details



CASE NO. : CS12K0D
UNIT : mm
DIMENSION : 127.8(H)*78.7(D)*225(W)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

Panel Designation

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

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