



AC → DC SWITCHING POWER SUPPLY

RPH1120D 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
- 91% High Efficiency
- Build-in output stability monitor
- Split rail & Series connection possible
- Convection cooled high reliability
- 100% burn-in test
- EN 62368 approved
- 2 years warranty
- Output modify range: 5V~60VDC

DIMENSIONS: 100(H)*83(D)*49(W)mm

WEIGHTS: 365g

General specifications

INPUT

Input range	90~264VAC 120~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC
Power factor	95% Min.

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited
1A power ready relay contacts are built in VAT module.	

Detail specifications

120 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.					
RPH1120D-12CED	V : +12V ±10%	0A	10.0A	10.0A	120mV	±1%	±1%	91% Ref.	17.1 ~ 18.9V
RPH1120D-24CED	V : +24V ±10%	0A	5.0A	5.0A	240mV	±1%	±1%	89% Ref.	31.4 ~ 34.7V
RPH1120D-48CED	V : +48V ±10%	0A	2.5A	2.5A	480mV	±1%	±1%	91% Ref.	64.6 ~ 71.4V

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

Order Model: RPH1120D-24C

Optional Function:

Terminal Block: "T" : PCB Barrier Terminal Block with Voltage Monitor

"E" : Mini Terminal Block with Voltage, Current, Temperature Monitor

Option: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

Intelligent Monitor Alarm Instructions:

- Voltage alarms when output voltage value is not in the range of -10% to +10%.
- Current alarms when output current value is over 100%.
- Temperature alarms when enclosure air temperature is lower than -20 or higher than 75 degrees Celsius.
- Relay alarm is normally closed contact. (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal.)

CE Standards

EN 55032, EN 55024,
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 62368-1:2014

Safety Standards



UL 508 Meet



CE Marking

Environments

Operating Temperature	-15 ~ 60°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

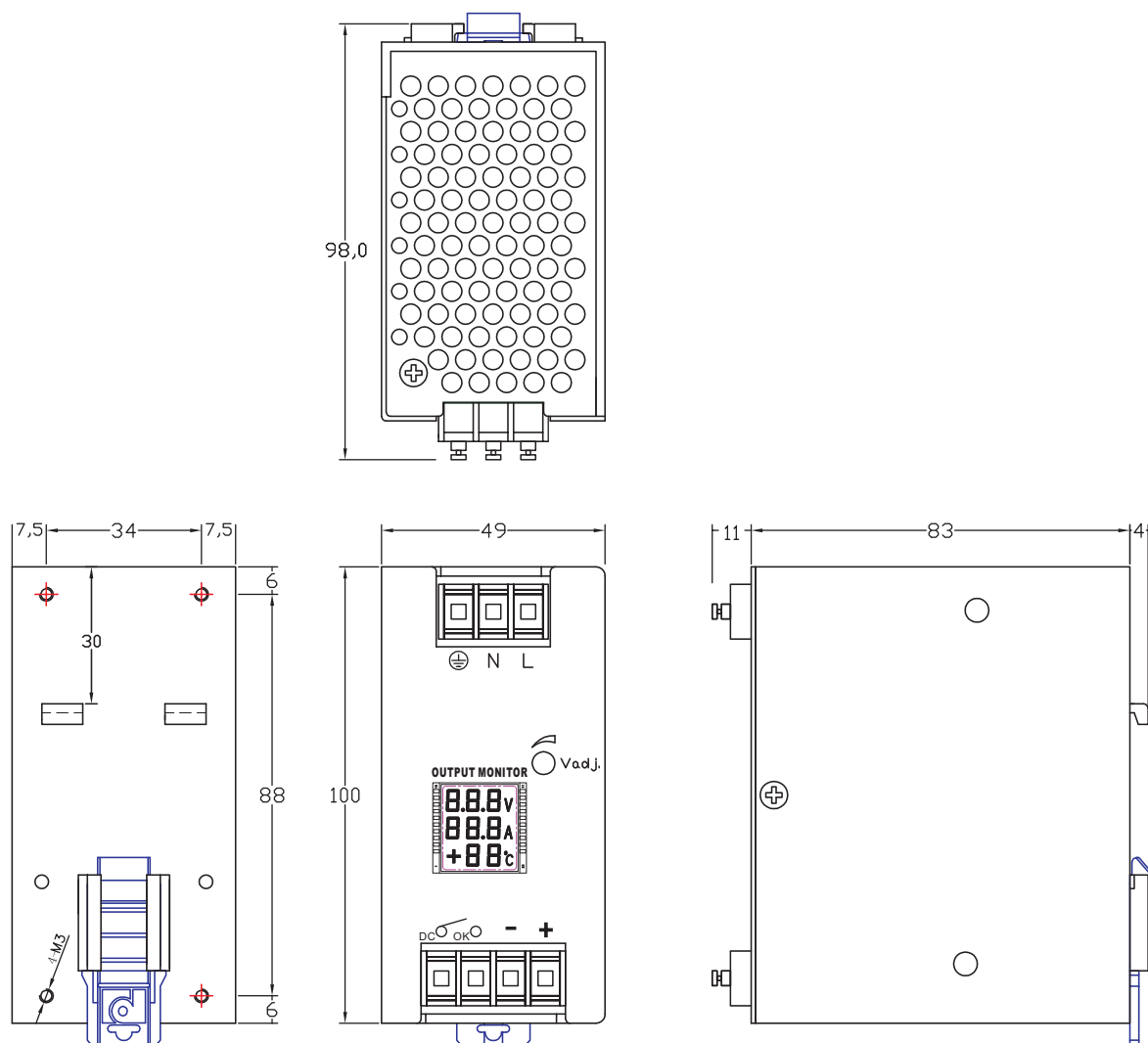
NOTE

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

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REIGNPOWER
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**Mechanical Details****Panel Designation****CASE NO. : RPH1120DD****UNIT : mm****DIMENSION : 100(H)*83(D)*49(W)****MATERIAL : ALUMINUM****COLOR : ORIGINAL ALUMINUM**

Single	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
OUTPUT MONITOR	Voltage/Current/Temperature Display
V adj.	Potentiometer For Output Voltage
DC OK	Contact of power functionality relay. Short-circuit is normal; Open circuit is abnormal.

Reign Power reserve the right to change specifications at any time aithout notice.



AC → DC SWITCHING POWER SUPPLY

RPH1240D SERIES

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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
- 92% High Efficiency
- Build-in output stability monitor
- Split rail & Series connection possible
- Convection cooled high reliability
- 100% burn-in test
- EN 62368 approved
- 2 years warranty
- Output modify range: 5V~60VDC

DIMENSIONS:100(H)*110(D)*60(W)mm

WEIGHTS: 740g

General specifications

INPUT

Input range

90~264VAC

120~380VDC

Input frequency

47~63Hz

Inrush current (25°C)

20A/110VAC

40A/220VAC

Power factor

95% Min.

OUTPUT

Hold-up time

16ms

Short protection

Autorecovery

Over load protection

Automatic power limited

1A power ready relay contacts are built in VAT module.

Detail specifications

240 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.					
RPH1240D-24CED	V : +24V ±10%	0A	10A	10A	240mV	±1%	±1%	91% Ref.	31.4 ~ 34.7V
RPH1240D-36CED	V : +36V ±10%	0A	6.7A	6.7A	360mV	±1%	±1%	92% Ref.	47.8 ~ 53.2V
RPH1240D-48CED	V : +48V ±10%	0A	5A	5A	480mV	±1%	±1%	91% Ref.	64.6 ~ 71.4V

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

Order Model: RPH1240D-24C

Optional Function:

Terminal Block: "T" : PCB Barrier Terminal Block with Voltage Monitor

"E" : Mini Terminal Block with Voltage, Current, Temperature Monitor

Option: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

Intelligent Monitor Alarm Instructions:

- Voltage alarms when output voltage value is not in the range of -10% to +10%.
- Current alarms when output current value is over 100%.
- Temperature alarms when enclosure air temperature is lower than -20 or higher than 75 degrees Celsius.
- Relay alarm is normally closed contact. (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal.)

CE Standards

EN 55032, EN 55024,
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 62368-1:2014

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

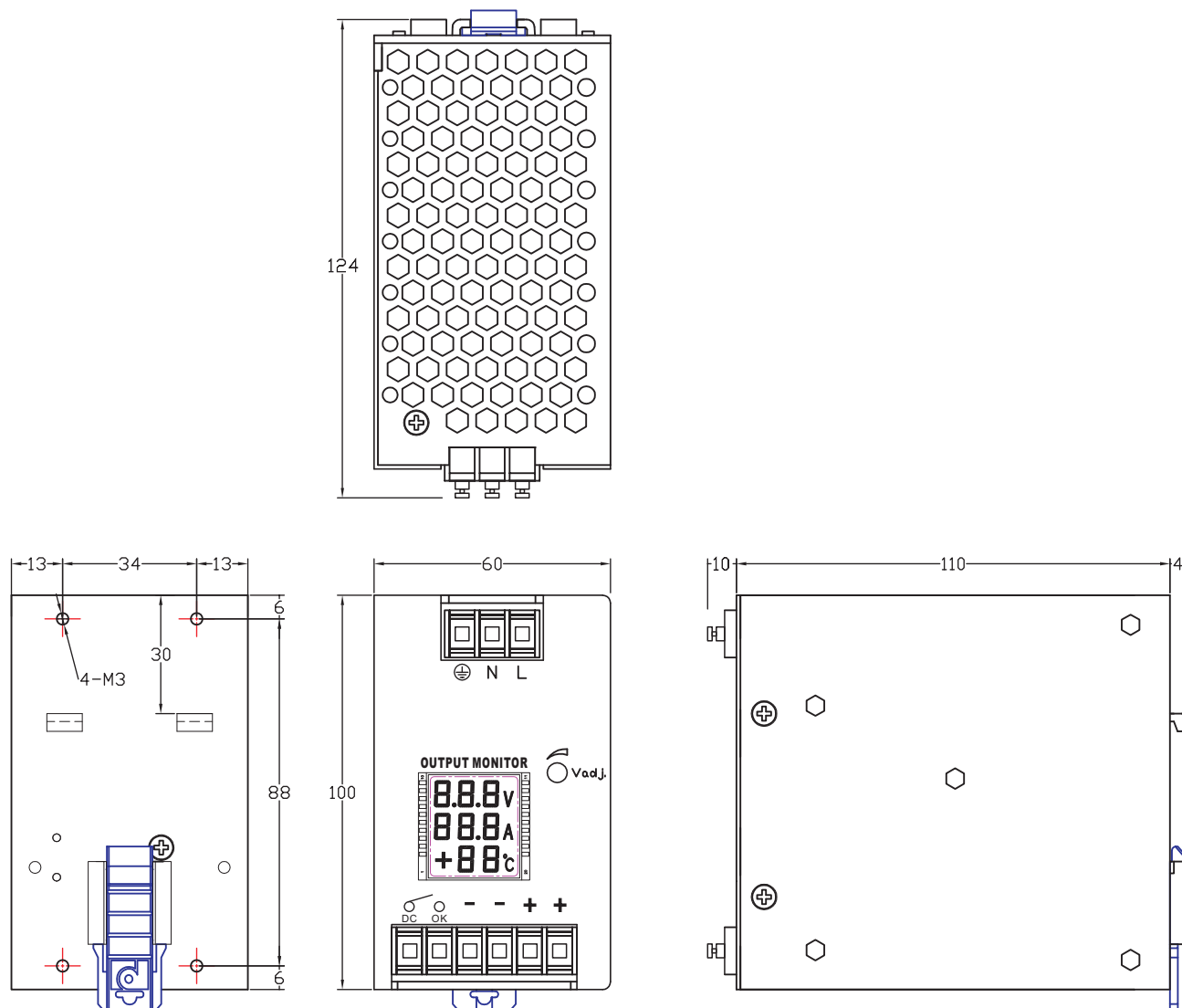
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**Mechanical Details****Panel Designation****CASE NO. : RPH1240DD****UNIT : mm****DIMENSION : 100(H)*110(D)*60(W)****MATERIAL : ALUMINUM****COLOR : ORIGINAL ALUMINUM**

Single	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
OUTPUT MONITOR	Voltage/Current/Temperature Display
V adj.	Potentiometer For Output Voltage
DC OK	Contact of power functionality relay. Short-circuit is normal; Open circuit is abnormal.

Reign Power reserve the right to change specifications at any time aithout notice.



AC → DC SWITCHING POWER SUPPLY

RPH1480D 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
- 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
- EN 62368 approved
- 2 years warranty
- Output modify range: 5V~60VDC

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

Inrush current (25°C)

20A/110VAC
40A/220VAC

Power factor

95% Min.

OUTPUT

Hold-up time

16ms

Short protection

Autorecovery

Over load protection

Short-circuit protection

1A power ready relay contacts are built in VAT module.

Detail specifications

480 Watts

MODEL	O/P Volt Adj. \pm %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
RPH1480D-24CED	V : +24V \pm 10%	0A	20A	20A	240mV	\pm 1%	\pm 1%	93% Ref.	31.4 ~ 34.7V
RPH1480D-36CED	V : +36V \pm 10%	0A	13.3A	13.3A	360mV	\pm 1%	\pm 1%	94% Ref.	47.8 ~ 53.2V
RPH1480D-48CED	V : +48V \pm 10%	0A	10A	10A	480mV	\pm 1%	\pm 1%	94% Ref.	64.6 ~ 71.4V

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

Order Model: RPH1480D-24CED

Optional Function:

Terminal Block: "E" : Mini Terminal Block with Voltage, Current, Temperature Monitor

Option: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

Intelligent Monitor Alarm Instructions:

- Voltage alarms when output voltage value is not in the range of -10% to +10%.
- Current alarms when output current value is over 100%.
- Temperature alarms when enclosure air temperature is lower than -20 or higher than 80 degrees Celsius.
- Relay alarm is normally closed contact. (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal.)

CE Standards

EN 55032, EN 55024,
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 62368-1:2014

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

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

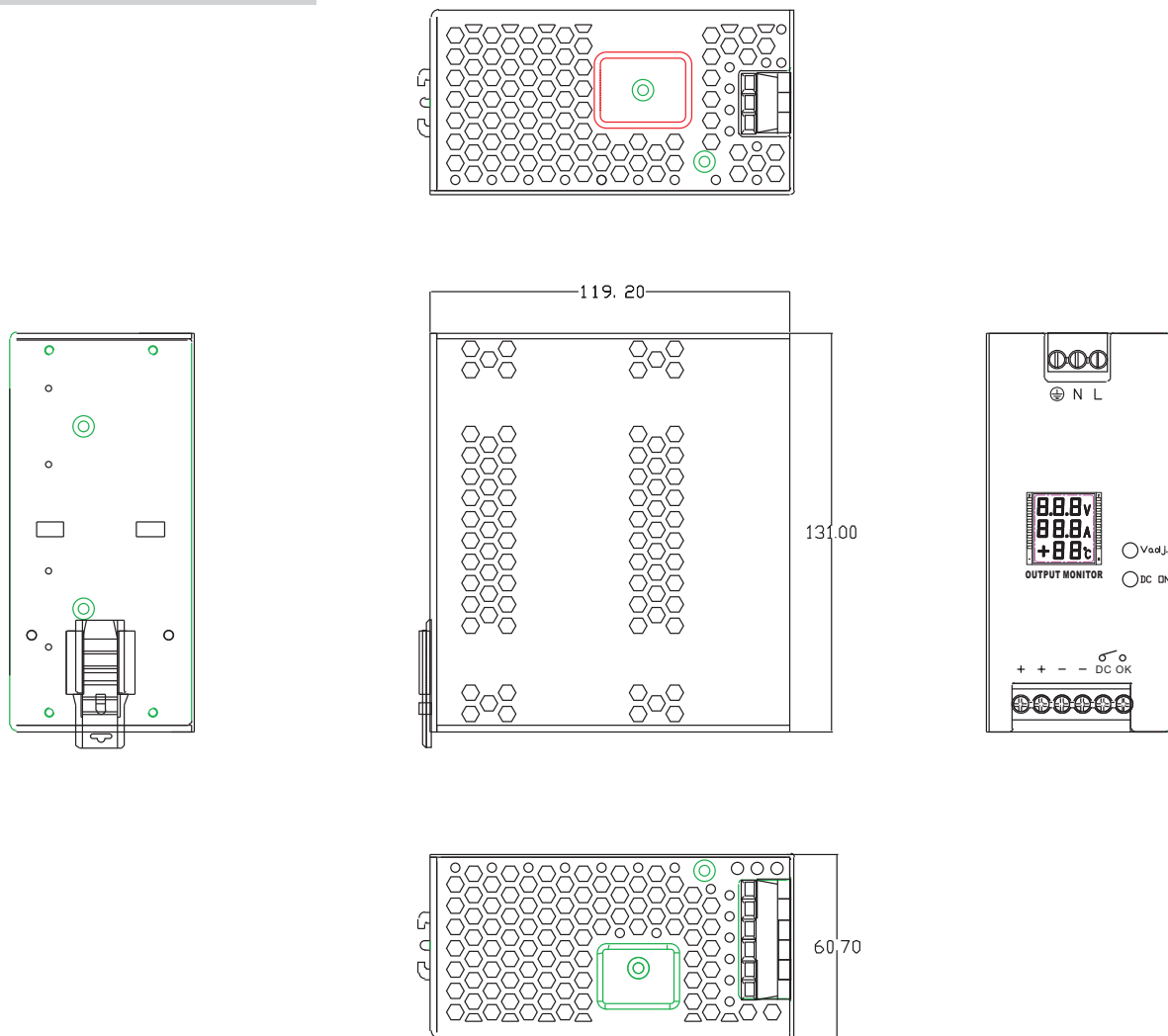
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**Mechanical Details****Panel Designation****CASE NO. : RPH1480DD****UNIT : mm****DIMENSION : 131(H)*119.2(D)*60.7(W)****MATERIAL : ALUMINUM****COLOR : ORIGINAL ALUMINUM**

Single	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
OUTPUT MONITOR	Voltage/Current/Temperature Display
V adj.	Potentiometer For Output Voltage
DC ON	Blue LED Indicator
DC OK	Contact of power functionality relay. Short-circuit is normal; Open circuit is abnormal.

Reign Power reserve the right to change specifications at any time aithout notice.



AC → DC SWITCHING POWER SUPPLY

LPF1960D 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
- 92% High Efficiency
- Models with output voltage lower than 130VDC are build-in output stability monitor
- Split rail & Series connection possible
- Fan cooling
- 100% burn-in test
- EN 62368 approved
- 2 years warranty
- Output modify range: 5V~60VDC

DIMENSIONS:131(H)*119.2(D)*63.7(W)mm

WEIGHTS: 950g

General specifications

INPUT

Input range

90~264VAC

120~380VDC

Input frequency

47~63Hz

Inrush current (25°C)

20A/110VAC

40A/220VAC

Power factor

95% Min.

OUTPUT

Hold-up time

16ms

Short protection

Autorecovery

Over load protection

Short-circuit protection

1A power ready relay contacts are built in VAT module.

Detail specifications

960 Watts (See note session for more details.)

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.					
LPF1960D-24CED	V : +24V ±10%	0A	40A	40A	240mV	±1%	±1%	91% Ref.	31.4 ~ 34.7V
LPF1960D-36CED	V : +36V ±10%	0A	26.6A	26.6A	360mV	±1%	±1%	92% Ref.	47.8 ~ 53.2V
LPF1960D-48CED	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: LPF1960D-24CED

Optional Function:

Terminal Block: "E" : Mini Terminal Block with Voltage, Current, Temperature Monitor

Option: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

Intelligent Monitor Alarm Instructions:

- Voltage alarms when output voltage value is not in the range of -10% to +10%.
- Current alarms when output current value is over 100%.
- Temperature alarms when enclosure air temperature is lower than -20 or higher than 65 degrees Celsius.
- Relay alarm is normally closed contact. (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal.)

CE Standards

EN 55032, EN 55024,
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 62368-1:2014

Safety Standards



UL 508

Meet



CE

Marking

Environments

Operating Temperature

-10 ~ 60°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

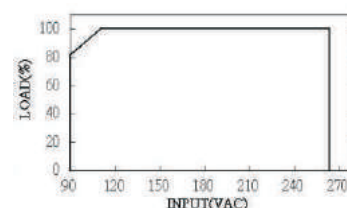
-20 ~ 85°C, Ambient

Vibration

2G, 10~500Hz, 3 axes

NOTE

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



Derating curve

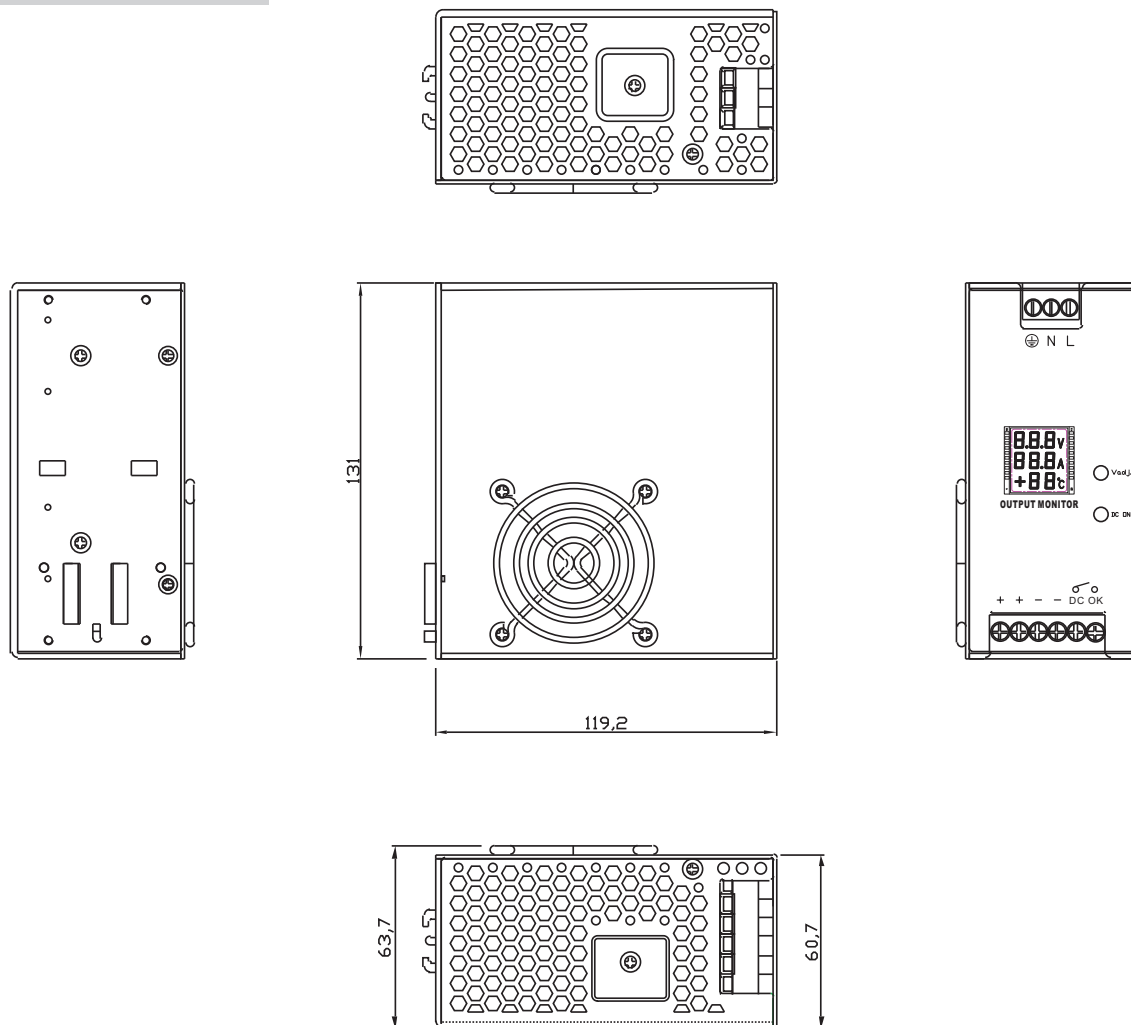
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**Mechanical Details****Panel Designation****CASE NO. : LPF1960DD****UNIT : mm****DIMENSION : 131(H)*119.2(D)*63.7(W)****MATERIAL : ALUMINUM****COLOR : ORIGINAL ALUMINUM**

Single	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
OUTPUT MONITOR	Voltage/Current/Temperature Display
V adj.	Potentiometer For Output Voltage
DC ON	Blue LED Indicator
DC OK	Contact of power functionality relay. Short-circuit is normal; Open circuit is abnormal.

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