

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: 3V~500VDC

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

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-24CEN	V : +24V ±10%	0A	40A	40A	240mV	±1%	±1%	91% Ref.	31.4 ~ 34.7V
LPF1960D-36CEN	V : +36V ±10%	0A	26.6A	26.6A	360mV	±1%	±1%	92% Ref.	47.8 ~ 53.2V
LPF1960D-48CEN	V : +48V ±10%	0A	20A	20A	480mV	±1%	±1%	92% Ref.	64.6 ~ 71.4V
LPF1960D-100CEN	V : +100V ±10%	0A	9.6A	9.6A	1000mV	±1%	±1%	92% Ref.	140 ~ 165V
LPF1960D-250CEN	V : +250V ±10%	0A	3.84A	3.84A	2500mV	±1%	±1%	92% Ref.	310 ~ 360V

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

Order Model: LPF1960D-24CEN

Optional Function:

Terminal Block: "E" : Mini Terminal Block

Motion: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

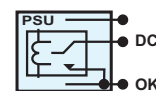
Monitor: " " : No Monitor

"D" : Monitor Display

Type: " " : No Display Function

"A" : Output Voltage Display

Relay internal connection



E Type
Terminal Block

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

Operating Humidity

Storage Temperature

Vibration

-10 ~ 60°C, Ambient

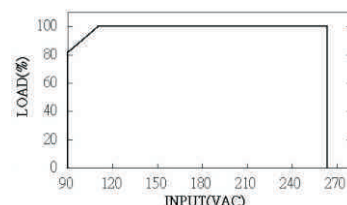
20 ~ 90% RH, No Condensing

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



Derating curve

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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
- 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: 3V~200VDC

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

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

"E": Mini Terminal Block

Motion: " " : Power Ready Relay Function

"N": No Power Ready Relay Function

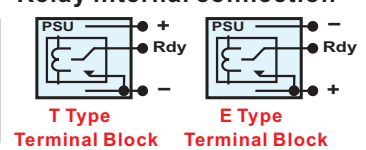
Monitor: " " : No Monitor

"D": Monitor Display

Type: " " : No Display Function

"A": Output Voltage Display

Relay internal connection



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.

본사: 경기도 부천시 원미구 원미동 41-2 춘의테크노타워 1303호

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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: 3V~200VDC

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

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

"E" : Mini Terminal Block

Motion: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

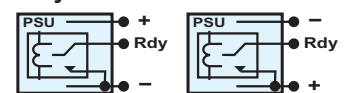
Monitor: " " : No Monitor

"D" : Monitor Display

Type: " " : No Display Function

"A" : Output Voltage Display

Relay internal connection



T Type
Terminal Block

E Type
Terminal Block

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

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.
- 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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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: 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
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 (Optional)	
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-24CEN	V : +24V ±10%	0A	20A	20A	240mV	±1%	±1%	93% Ref.	31.4 ~ 34.7V
RPH1480D-36CEN	V : +36V ±10%	0A	13.3A	13.3A	360mV	±1%	±1%	94% Ref.	47.8 ~ 53.2V
RPH1480D-48CEN	V : +48V ±10%	0A	10A	10A	480mV	±1%	±1%	94% Ref.	64.6 ~ 71.4V
RPH1480D-100CEN	V : +100V ±10%	0A	4.8A	4.8A	1000mV	±1%	±1%	94% Ref.	140 ~ 165V
RPH1480D-250CEN	V : +250V ±10%	0A	1.92A	1.92A	2500mV	±1%	±1%	94% Ref.	310 ~ 360V

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

Order Model: RPH1480D-24CEN

Optional Function:

Terminal Block: "E" : Mini Terminal Block

Motion: " " : Power Ready Relay Function

"N" : No Power Ready Relay Function

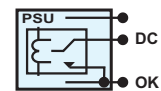
Monitor: " " : No Monitor

"D" : Monitor Display

Type: " " : No Display Function

"A" : Output Voltage Display

Relay internal connection



E Type
Terminal Block

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

Operating Humidity

Storage Temperature

Vibration

-10 ~ 60°C, Ambient

20 ~ 90% RH, No Condensing

-20 ~ 85°C, Ambient

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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