



All the patents are held accountable counterfeiting.

Features

Green Power

- Full Range Input with PFC
- Dual output model, independent regulation
- Comply with High Efficiency Power 80Plus Criterion
- 91% High Efficiency
- Split rail & Series connection possible
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~300VDC



DIMENSIONS:199(L)*99(W)*35(H)mm

WEIGHTS: 820g

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 | Re-power on to recover |
| Over load protection | Automatic power limited |

Detail specifications

240~255 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. | | | | | |
| RPH1240-12C | V : +12V ±10% | 0A | 20A | 20A | 120mV | ±1% | ±1% | 89% Ref. | 17.1 ~ 18.9V |
| RPH1255-24C | V : +24V ±10% | 0A | 10.63A | 10.63A | 240mV | ±1% | ±1% | 91% Ref. | 31.4 ~ 34.7V |
| RPH1255-36C | V : +36V ±10% | 0A | 7.1A | 7.1A | 360mV | ±1% | ±1% | 93% Ref. | 47.8 ~ 58.2V |
| RPH1255-48C | V : +48V ±10% | 0A | 5.3A | 5.3A | 480mV | ±1% | ±1% | 92% Ref. | 64.6 ~ 71.4V |
| RPH1255-100C | V : +100V ±10% | 0A | 2.55A | 2.55A | 1000mV | ±1% | ±1% | 94% Ref. | 140 ~ 165V |
| RPH1255-250C | V : +250V ±10% | 0A | 1.02A | 1.02A | 2500mV | ±1% | ±1% | 94% Ref. | 310 ~ 360V |
| RPH22551C | V1 : +12V ±10% V2 : +5V | 0A 0A | 20.0A 3.0A | 21.25A 3.0A | 120mV 40mV | ±1% ±1% | ±1% ±1% | 87% Ref. | 17.1 ~ 18.9V 5.8 ~ 7.0V |
| RPH22552C | V1 : +12V ±10% V2 : +5V | 0A 0A | 18.3A 7.0A | 21.25A 7.0A | 120mV 40mV | ±1% ±1% | ±1% ±1% | 86% Ref. | 17.1 ~ 18.9V 6.0 ~ 6.3V |
| RPH22553C | V1 : +24V ±10% V2 : +5V | 0A 0A | 10.0A 3.0A | 10.63A 3.0A | 240mV 40mV | ±1% ±1% | ±1% ±1% | 89% Ref. | 31.4 ~ 34.7V 5.6 ~ 6.2V |
| RPH22554C | V1 : +24V ±10% V2 : +12V | 0A 0A | 9.73A 2.5A | 10.63A 2.5A | 240mV 120mV | ±1% ±1% | ±1% ±1% | 88% Ref. | 31.4 ~ 34.7V 17.1 ~ 18.9V |



AC → DC SWITCHING POWER SUPPLY

RPH1255 SERIES

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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 62368 Meet



CE Marking

Environments

| | |
|-----------------------|----------------------------|
| Operating Temperature | -15 ~ 50°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 for dual output, 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. When using the product, we suggest keeping the outer enclosure of the product under 70 degrees Celsius. (We suggest conducting the heat to 360x360 mm or equivalent size, with 1 mm thickness of iron or aluminum plate.)
9. Reign Power reserve the right to change specifications at any time without notice.