



All the patents are held accountable counterfeiting.

## Features



## Green Power

- Dustproof and waterproof meet IP68, can use under 1 meter depth for long
- 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
- 2 years warranty
- Output modify range: 3V~300VDC

DIMENSIONS:251.5(L)\*136(W)\*43(H)mm

WEIGHTS: 1800g

## 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

Rated 255 Watts / Peak 500 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. (3s)					
RPHW1255-12C	V : +12V ±10%	0A	21.5A	42.0A	120mV	±1%	±1%	89% Ref.	17.1 ~ 18.9V
RPHW1255-24C	V : +24V ±10%	0A	10.63A	20.8A	240mV	±1%	±1%	91% Ref.	31.4 ~ 34.7V
RPHW1255-36C	V : +36V ±10%	0A	7.1A	13.9A	360mV	±1%	±1%	93% Ref.	47.8 ~ 58.2V
RPHW1255-48C	V : +48V ±10%	0A	5.3A	10.5A	480mV	±1%	±1%	92% Ref.	64.6 ~ 71.4V
RPHW1255-100C	V : +100V ±10%	0A	2.55A	5.0A	1000mV	±1%	±1%	94% Ref.	140 ~ 165V
RPHW1255-150C	V : +150V ±10%	0A	1.7A	3.33A	1500mV	±1%	±1%	93% Ref.	190 ~ 240V
RPHW1255-250C	V : +250V ±10%	0A	1.02A	2.0A	2500mV	±1%	±1%	94% Ref.	310 ~ 360V
RPHW22551C	V1 : +12V ±10% V2 : +5V	0A 0A	20.0A 3.0A	42.0A 3.0A	120mV 40mV	±1% ±1%	±1% ±1%	87% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
RPHW22552C	V1 : +12V ±10% V2 : +5V	0A 0A	18.3A 7.0A	42.0A 7.0A	120mV 40mV	±1% ±1%	±1% ±1%	86% Ref.	17.1 ~ 18.9V 6.0 ~ 6.3V
RPHW22553C	V1 : +24V ±10% V2 : +5V	0A 0A	10.0A 3.0A	20.8A 3.0A	240mV 40mV	±1% ±1%	±1% ±1%	89% Ref.	31.4 ~ 34.7V 5.6 ~ 6.2V
RPHW22554C	V1 : +24V ±10% V2 : +12V	0A 0A	9.73A 2.5A	20.8A 2.5A	240mV 120mV	±1% ±1%	±1% ±1%	88% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V



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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	-40 ~ 70°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. Reign Power reserve the right to change specifications at any time without notice.