



20 Watt Interchangeable Plug Series



*clips sold separately



Features

- Limited Power Source
- Class B EMI
- Class II Double Insulated
- High Efficiency

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

Safety Approvals

- cUL/UL 62368-1
- CB IEC 62368-1
- CE
- RCM

Mechanical Characteristics

- Length: 72.5mm (2.85in)
- Width: 50.8mm (2in)
- Height: 33.25mm (1.31in)
- Weight: 146g (5.15oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Regulation Line & Load
		Min.	Max.		
AA20R-120A-R	12V	0A	1.67A	120mV	±5%
AA20R-240A-R	24V	0A	0.83A	120mV	±5%
AA20R-480A-R	48V	0A	0.42A	480mV	±5%

Notes:

1. Measured by using a 12-inch twisted pair terminated with 10uF capacitor and a 0.1uF ceramic in parallel after 10 minutes warm up with maximum load.

INPUT:**AC Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Inrush Current

≤40A for 120VAC at max load

≤80A for 240VAC at max load

(cold start at ambient 25°C)

Input Current

0.5A (RMS) max at 120VAC

0.25A (RMS) max at 240VAC

Leakage Current

0.25mA max at 254VAC/60Hz

Input Power Saving

<0.075W max @0A 230VAC/60Hz

OUTPUT:**Efficiency²**

DOE Level VI

CoC Tier 2

Hold-up Time

10mS min at 120VAC, 60Hz and max load

ENVIRONMENTAL:**Temperature**

Operation 0°C to +40°C

Non-operation -25°C to +75°C

Humidity 20% to 90% RH

Emissions

EN55032 Class B

FCC Part 15 Class B

EMC

EN61000-3-2(A1+A2+A14) Class A

EN61000-3-3

EN61000-4-2 Level 3

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 3

EN61000-4-11

FEATURES:**Over-Current Protection**

Output equipped with short circuit protection – auto restart

Short-Circuit Protection

Output can be shorted without damage

Over-Voltage Protection

12V: <23Vpk for <0.2 seconds, auto-restart

24V: <35Vpk for <0.2 seconds, auto-restart

48V: <62Vpk for <0.2 seconds, auto-restart

Dielectric Withstand (Hi-pot) Test

Input to output: 3000VAC for 1 min., 10mA

Insulation Resistance

Input to Output: 50M ohm min., 500VDC

DC Output Connector

2.1 x 5.5mm Center Positive Barrel

AC Input Clips (sold separately)

RPA-R – US

RPB-R – Brazil

RPC-R – China

RPE-R – Europe

RPH-R – Korea

RPI-R – India

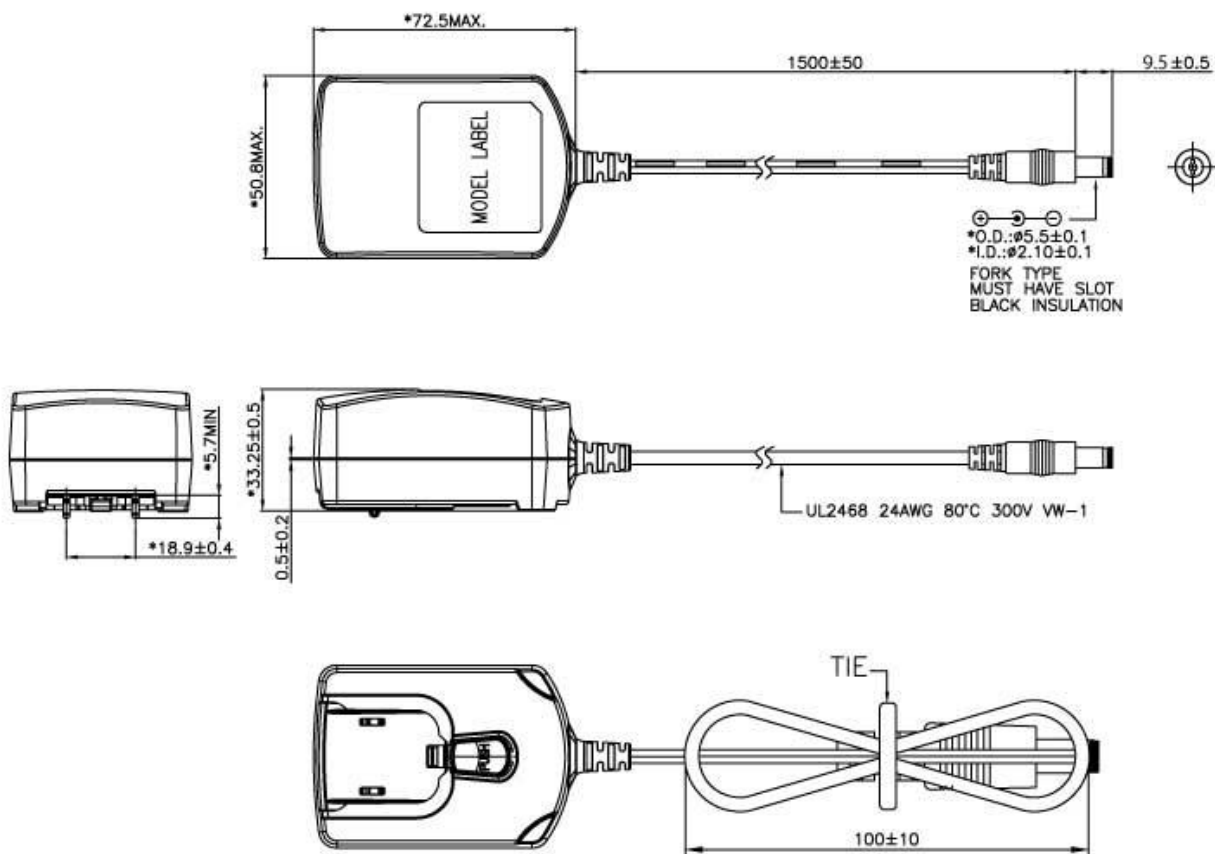
RPK(NC)-R – UK

RPN-R – Argentina

RPS-N-R – Australia

RPX-03-R – IEC320 C8

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in



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Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

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NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

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