



### 30W Interchangeable Plug Series



Interchangeable clips sold separately

#### Features

- Limited Power Source
- Level VI Efficiency Compliant
- Class II Double Insulated
- Class B EMI

#### Applications

- Peripherals
- Gaming Machines
- Point of Sale Equipment
- Network Equipment

#### Safety Approvals

- cUL/UL
- CE
- RCM

#### Mechanical Characteristics

- Length: 82.7mm (3.26in)
- Width: 55mm (2.17in)
- Height: 39.1mm (1.54in)
- Weight: 180g (6.35oz)

#### Output Specifications

Model	DC Output Voltage	Load <sup>1</sup>		Ripple <sup>2</sup> P-P (max.)	Regulation	
		Min.	Max.		Line	Load
PSAA30R-120-R	12V	0A	2.50A	120mV	±5%	
PSAA30R-150-R	15V	0A	2.00A	200mV	±5%	
PSAA30R-240-R	24V	0A	1.25A	240mV	±5%	
PSAA30R-560-R	56V	0A	0.536A	560mV	±5%	

Notes:

1. At no load to full load, 1.5 meter (approx 5ft) DC cord, measured at the plug
2. Measured with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20MHz.

**INPUT:****AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.8A (RMS) maximum at 120V AC

0.5A (RMS) maximum at 240V AC

**Leakage Current**

0.25mA maximum

**Inrush Current**

&lt;60A for 100V AC at maximum load

&lt;100A for 240V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

&lt;0.1W Max. @ 0A 230Vac 50Hz

**OUTPUT:****Efficiency<sup>2</sup>**

DOE Level VI

**ENVIRONMENTAL****Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity 20 to 90%

**Emissions**

Complies with FCC Class B

Complies with EN55032 Class B

**Immunity**

IEC61000-4-2 Level 4

IEC61000-4-3 Level 2

IEC61000-4-4 Level 2

IEC61000-4-5 Level 2

IEC61000-4-6 Level 2

IEC61000-4-8 Level 1

IEC61000-4-11

EN61000-3-2

**FEATURES:****Over-Voltage Protection**

Auto restart

**Over-Current Protection**

Auto-restart without damage

**Short-Circuit Protection**

Output can be shorted without damage

**Dielectric Withstand (Hi-pot) Test**

Input to Output: 3000V AC for 1 min., 10mA

**Insulation Resistance**

Input to output: 7M ohm, 500V DC

**DC Output Connector (Barrel Type)**

2.1 x 5.5 x 9.5mm Center Positive Standard

**AC Input Clips (sold separately)**

RPA – US

RPB – Brazil

RPC – China

RPE – Europe

RPH – Korea

RPI – India

RPK – UK

RPN – Argentina

RPS – Australia

RPX – IEC320 C8

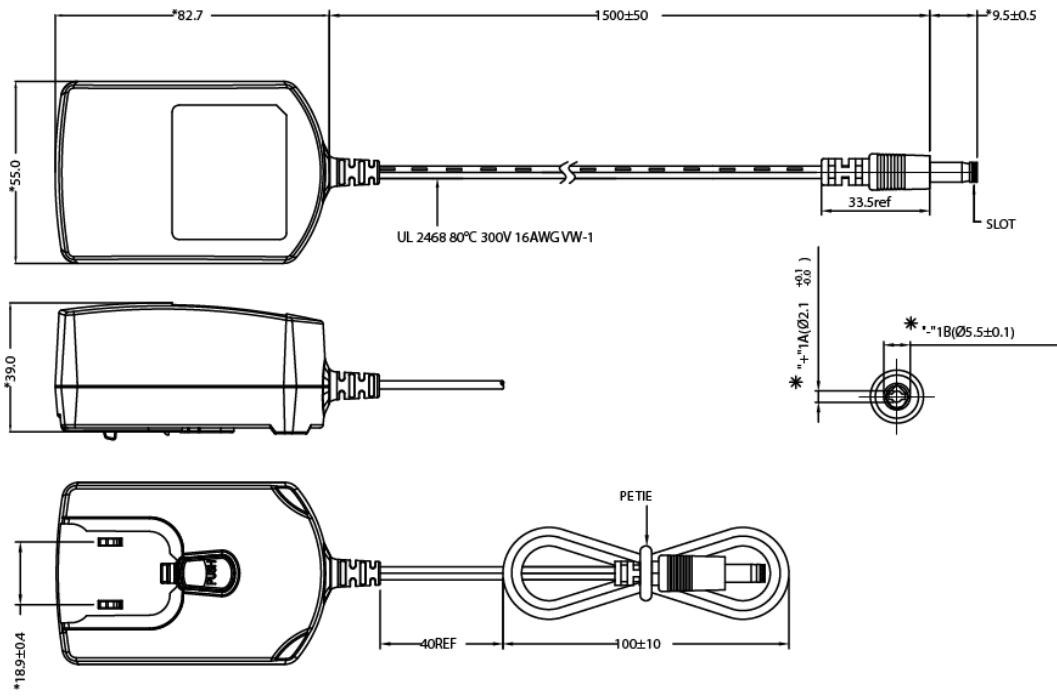
## Notes:

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

[Type text]

PSAA30R

Dimension Diagram Unit: mm (inch)



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

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NOTE: This model has/The models in this products 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.