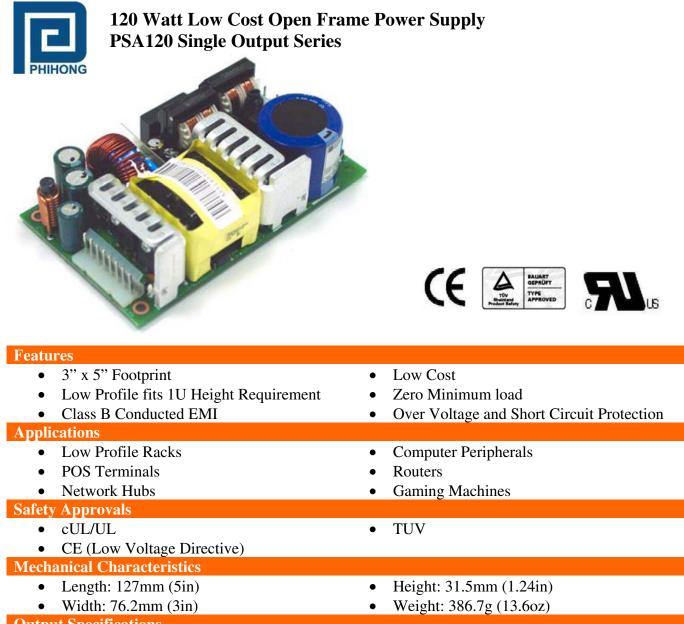
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Out	put	peer	incat	TOTIS

Model	DC Output	Load		Ripple <sup>(2)</sup>	Regulation		Max
widdel	Voltage	Min.	Max. <sup>(1)</sup>	P-P (max.)	Line	Load	Power <sup>(3)</sup>
PSA120-050	+5V	0A	15A	100mV	±1%	±4%	75W
PSA120-120	+12V	0A	10A	120mV	±1%	±2%	120W
PSA120-240	+24V	0A	5A	240mV	±1%	±2%	120W

(1) 30CFM forced air required. With convection cooling load is 9A for 5V, 6.67A for 12V, and 3.33A for 24V models.

(2) Measure by using a 12 inch twisted pair terminal with a 10uF capacitor and 0.1uF ceramic capacitor in parallel.

(3) 30CFM forced air required. With convection cooling power is 45W for 5V, and 80W for 12V and 24V models.

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#### **PSA120** Characteristics

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**

4.0A (RMS) at maximum load and 115V AC 2.0A (RMS) at maximum load and 230V AC

#### Leakage Current

3.5mA maximum at 264V AC

#### **Inrush Current**

30A for 115V AC at maximum load 60A for 230V AC at maximum load (Cold start at ambient 25°C)

#### **Hold-up** Time

10mS minimum at maximum load and 115V AC

## **Output:**

#### Efficiency

70% minimum at max load and 115V AC for 5V 75% minimum at max load and 115V AC for 12V 78% minimum at max load and 115V AC for 24V

#### **Over-Voltage Protection**

>120%

#### **Over-Current Protection**

Over-current protection, auto-restart

#### **Short-Circuit Protection**

Output can be shorted permanently without damage

## **Environmental:**

**Temperature** Operation Non-operation

0 to 50°C -25 to +85°C

#### Humidity

Operation

10 to 95% non-condensing

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## Emissions

Conducted: FCC Class B EN55022 Class B Radiated: FCC Class A EN55022 Class A

#### Immunity

EN55024	1998
EN61000-4-2	Level 3
EN61000-4-3	Level 2
EN61000-4-4	Level 3
EN61000-4-5	Level 3
EN61000-4-6	Level 2
EN61000-4-11	
EN61000-3-2	Harmonic Class A
EN61000-3-3	Flicker

## General:

#### **Insulation Resistance**

Input to Ground: 10M ohms minimum, 500V DC

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

Input to Output: 3000V AC for 1 minute, 10mA Input to Ground: 1500V AC for 1 minute, 10mA

#### **Switching Frequency**

42KHz ±10%

MTBF (Full load, 30CFM and ambient 25°C) 150K hours minimum

#### AC Input Connector (Molex or Equivalent)

Input Header: Molex 09-65-2038 or equivalent Mating: Moles 09-50-1031 or equivalent

#### **DC Output Connector**

Output header: Molex 09-65-2088 or equivalent Mating: Molex 09-50-1081 or equivalent

## **Dimension Diagram** Unit: mm (inch)

PIN

V+

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