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# 65 Watt\* Open-Frame Power Supply PSA065 Single Output 2" x 4" Series (for ITE)



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\*45W Convection, 65W 20CFM Airflow cooling

#### **Features**

• 2 x 4 Footprint

• Low-Cost

• Low Profile Design Fits 1U Applications

## **Applications**

• Telecom/Datacom

• Industrial

• Peripherals

## **Safety Approvals**

• cUL/UL 60950-1

CB

CE

## **Mechanical Characteristics**

Length: 101.6mm (4.0in)
Width: 50.8mm (2.0in)
Height: 30.6mm (1.2in)
Weight: 160g (5.64oz)

## **Output Specifications**

Model	DC Output	Line			Ripple (1)	Regulation	
Model	Voltage	Min.	Convection	20cfm	P-P (max)	Line	Load
PSA065-120	+12V	0A	3.75	5.42A	120mV	±2%	±2%
PSA065-240	+24V	0A	1.88	2.71A	240mV	±2%	±2%
PSA065-480	+48V	0A	0.94	1.36A	480mV	±2%	±2%

<sup>(1)</sup> Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel, measured at maximum load after a 20 minute warm up and bandwidth set to 20MHz.

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## PSA065 Characteristics

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#### 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**

1.5A at maximum load and 115V AC 0.75A at maximum load and 230V AC

#### Leakage Current

100uA maximum at 264V AC

#### **Inrush Current**

30A for 1150V AC at maximum load 60A for 230V AC at maximum load (Cold start at ambient 25°C)

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

10mS typical at maximum load and 115V AC

## **Output:**

#### **Efficiency**

80% minimum at maximum load and 115V AC

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

+48V DC at +72V DC maximum

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

Auto-restart

#### **Input Protection**

Fuse in line and neutral

#### **Environmental:**

## **Temperature**

Operation 0 to 50°C Non-operation  $-25 \text{ to } +85^{\circ}\text{C}$ 

## Humidity

Operation 5 to 95% non-condensing

#### **Emissions**

FCC Class B EN55022 Class B

#### **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
FN61000 / 11	

EN61000-4-11

EN61000-3-2 Harmonic Class A

EN61000-3-3 Flicker

#### General:

#### **Insulation Resistance**

10M Ohm minimum, 500V DC

## Dielectric Withstand (Hi-pot) Test

Input to Ground: 1600V AC for 3 seconds, 10mA Input to Output: 4200V AC for 3 seconds, 10mA

#### **Switching Frequency**

50K Hz typical

#### MTBF (Full load and 110V AC, 25°C)

>100K Hrs

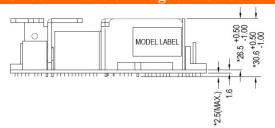
#### **Input Connector**

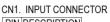
Molex 09-51-4034 housing with Molex 08-50-0106 pins

## **DC Output Connector**

Molex 26-03-4041 housing with Molex 08-50-0189 pins.

## PSA065 Dimension Diagram: Unit mm





PIN	DESCRIPTION	
1	NEUTRAL	
2	N.C.	
3	LINE	

#### CN2. OUTPUT CONNECTOR

OI1Z.	0011 01 001	IVL
PIN	DESCRIPTION	
1	RTN	
2	RTN	
3	V+	
4	V+	

