



# ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC SWITCHING POWER SUPPLY  
AC INPUT 90~264V  
SINGLE CHANNEL OUTPUT  
200 WATTS  
WITH ACTIVE PFC

## ZME200 Series



### General Description

176 × 95 × 50mm



### Application

Industrial

### Input

<b>Input Voltage:</b>	AC100-240V
<b>Input Voltage Range:</b>	AC90-264V
<b>Frequency:</b>	50/60Hz
<b>Input Frequency Range:</b>	47-63Hz
<b>Phase:</b>	Single
<b>Inrush Current: *1</b>	3A at 90VAC/1.5 at 264VAC max

### Features

- High reliability
- 100% BURN-IN tested
- 100% Hi-pot tested
- Short circuit protection
- Over load protection
- Over voltage protection
- No load power consumption <500mW

### Options



ETA USA  
16170 Vineyard Blvd. Suite 180, Morgan Hill, CA 95037  
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Environmental Specification	
Operating Temperature*3	0°C to +40 °C
Derating Curve	Not specified
Operating Humidity	20~90[%RH] (non-condensing)
Storage Temperature	-10 to +85 °C
Storage Humidity	Not specified
Withstanding Voltage	Not specified
Isolation Resistance	Not specified
Vibration	Not specified
Shock	Not specified
Cooling	Convection
Leakage current	<300μA at AC264V
Environmental Agencies	
Line Conducted Noise [EMI]	Built to meet FCC Part 18 Class B Built to meet EN60601-1-2 Built to meet EN55011 Class B CE
Line Harmonic Distortion/Current	No information available
Safety	UL: UL60601-1 C-UL: 22.2 No. 60601-1 CB IEC60601-1 and EN60601-1
MTBF	>140,000 hours at full load and 25 °C ambient temperature
Function/Protection	
Over current Protection	Built in (Auto recover)
Over voltage Protection	Built in (latch type, AC recycle)
Short Circuit Protection	Built-in (auto recover)
Remote Sense	Not available
Remote Control	Not available
Series Operation	No information available
Parallel Operation	No information available
Input Fuse	Not available
Mechanical	
Dimension [mm]	176 × 95 × 50mm
Weight [g] (typical)	No information available

Conditions:

- \*1 Rated input and Rated output
- \*2 at Output current quick change 25% to 75%
- \*3 At 100% load (convection cooling)



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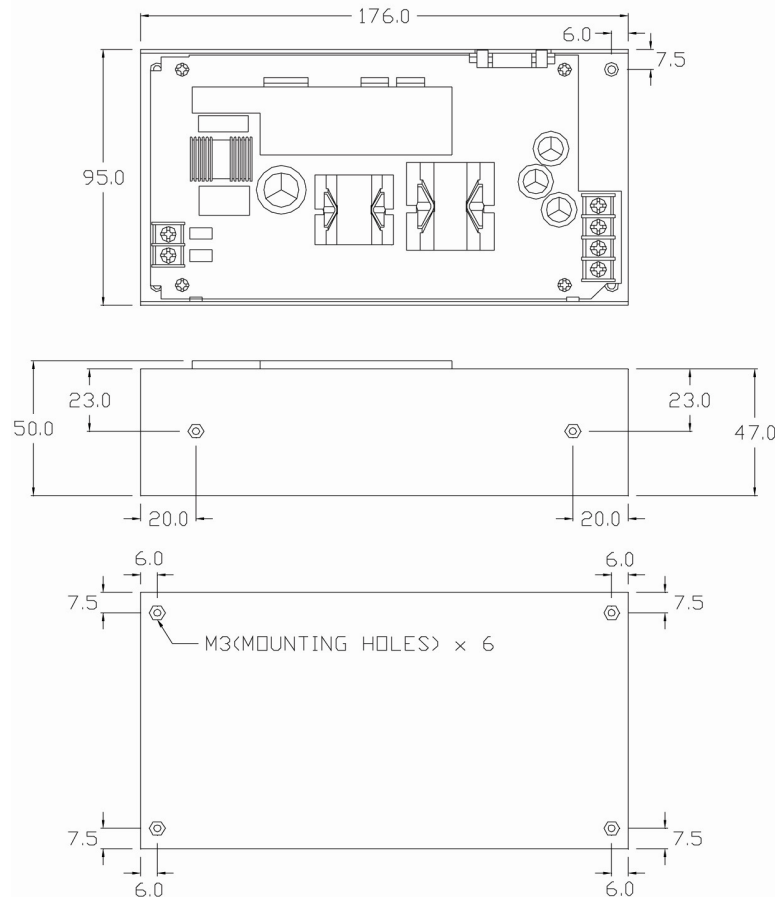
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Output Characteristic	Unit	Models						
		ZME200-12SX-F-W	ZME200-16SX-F-W	ZME200-19SX-F-W	ZME200-20SX-F-W	ZME200-24SX-F-W	ZME200-36SX-F-W	ZME200-48SX-F-W
Output Voltage	Vdc	12	16	19	20	24	36	48
Output Current	A	16.7	12.5	10.5	10	8.3	5.6	4.2
Voltage Adjust Range	V	±5% of stated output						
Ripple & Noise(max)	mVpp	240	300	300	300	300	300	300
Rise time		No information available						
Hold up time		16 mS at full load at AC115V						

Efficiency *1	%	>87% at full load @ 115VAC
Power Factor *1		>0.9 at full load

### DIMENSION DIAGRAM (mm)



Unit: mm



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