



Smart Architecture of Espadana  
Designing, Production, Customization and Consultant Service  
in Network and Fiber Optic System



### Technical Specification

**SAE-IPW-24**

**24W/24V Industrial Din Rail Power**





## 24W/24 V Industrial Din Rail Power

### Product Description

- Power Input: AC 100-240V
- Support 24W/24V industrial Din Rail Power Supply
- Support production for short circuit/over current/over voltage
- Wide operation temperature range: -40°C~70°C
- 100% full load aging test
- High efficiency, long life time and high reliability

### Full Description

**SAE-IPW-24** is one economical slim 24W industrial DIN Rail power supply series, adapting to be installed on TS-35/7.5 or TS-35/15 mounting DIN rail. The entire series adopts the full range AC input from 100 to 240VAC and conforms to EN61000-3-2, the norm the European Union regulates for harmonic current.

**SAE-IPW-24** is made with high quality of rigorous screened components, which have superior performance in stability, environmental adaptability. It can work normally in very cold environment to hot from -10°C to +70°C. It is equipped with constant current mode for over load protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for industrial control apparatus make **SAE-IPW-24** a very competitive power supply solution for industrial applications.



## 24W/24 V Industrial Din Rail Power

### Applications

- Industrial Control System
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus

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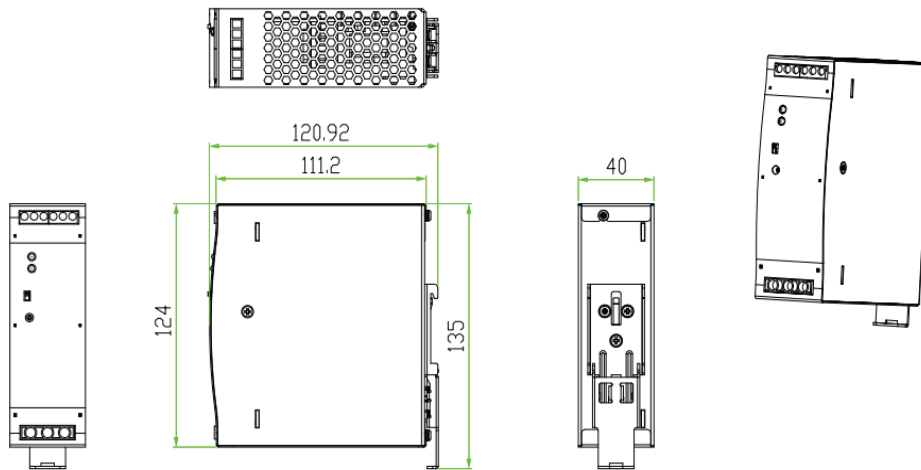
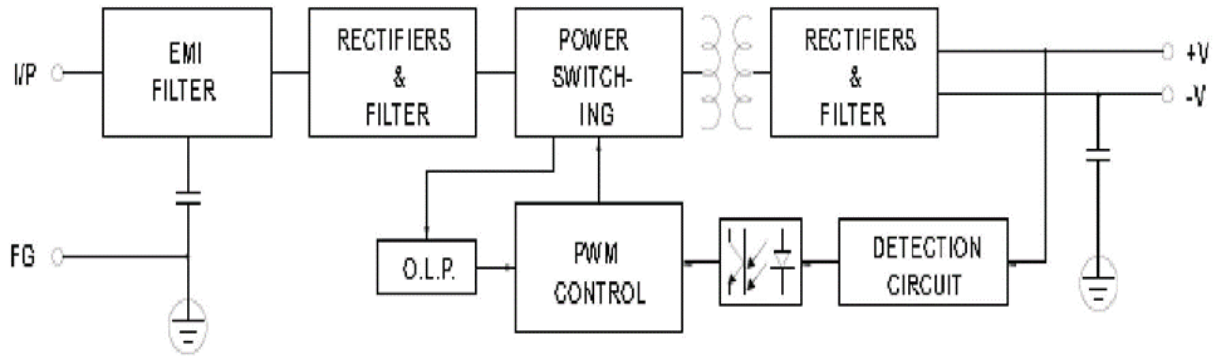
<b>Product</b>	Industrial DIN Rail Power Supply
<b>Product model</b>	SAE-IPW-24
<b>Out put</b>	
<b>Group of Output</b>	<b>1</b>
<b>DC Voltage</b>	<b>24V DC</b>
<b>Default Output Voltage</b>	<b>DC 24V</b>
<b>Output Rated Current</b>	<b>1.0A</b>
<b>Output Rated Power</b>	<b>0-1.0A</b>
<b>Total Peak Output Power</b>	<b>24W</b>
<b>Peak Output Current</b>	<b>Up to 30W (Sustainable time 10 S/220VAC)</b>
<b>Ripple noise</b>	<b>Peak - Peak <math>\leq 100\text{mV}</math> (Test Method: The terminal shall be in parallel with capacitance of 0.1uF and 47uF testing at 20MHz)</b>
<b>Output Regulation Range</b>	<b>DC24</b>
<b>Stabilized Voltage Precision</b>	<b><math>\pm 1\%</math> (@ 100-240Vac input, 100% load)</b>
<b>Line Regulation</b>	<b><math>\pm 0.5\%</math> (@ 100-240Vac input, 100% load)</b>
<b>Load Regulation</b>	<b><math>\pm 1\%</math> (@ 100-240Vac input, 100% load)</b>
<b>Output Start Time</b>	<b><math>\pm 0.03\%/^{\circ}\text{C}</math></b>
<b>Output Hold Time</b>	<b>&lt; 2S @ nominal input (100% load )</b>
<b>Voltage Overshoot</b>	<b>&gt; 20ms @ 100VAC, &gt; 50 ms @ 240Vac (100% load )</b>



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<b>Input</b>	
<b>Input Voltage Range</b>	<b>100~240VAC</b>
<b>Frequency Range</b>	<b>50Hz~60Hz</b>
<b>Starting Voltage</b>	<b>100VAC</b>
<b>Efficiency</b>	<b>&gt; 90.0% @ 100Vac, &gt; 91.0% @ 240Vac</b>
<b>Input Current</b>	<b>&lt; 1.0A @ 100Vac; &lt; 1.5A @ 240Vac</b>
<b>Inrush Starting Current</b>	<b>&gt; 0.99 @ 100Vac, &gt; 0.93 @ 240Vac</b>
<b>Protection</b>	
<ul style="list-style-type: none"><li>➤ <b>Over power/ 24W Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode: Swing machine, Self-recovery after over-power released.)</b></li><li>➤ <b>Over voltage/ 48V Swing machine (Short circuit the Pin1-2 of U8 Output recovery to normal after removing the short circuit) Note: Do not use external voltage.</b></li><li>➤ <b>Over current/ 1.0-1.6A Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode: Swing machine, Self-recovery after over-current released.)</b></li><li>➤ <b>Short circuit/ It achieves the long-term short circuit by connecting a sufficient cross-sectional area copper cable (Length at 15cm±5cm) with power output port. Self-recovery to normal after removing the short circuit.</b></li></ul>	

product Application Display



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