



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



Technical Specification

SAE-IPW-60

60W/48V Industrial Din Rail Power





Product Description

- Power Input: AC 100-240V
- Support 60W/48V 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

SAE-IPW-60 is one economical slim 60W 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-60 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-60 a very competitive power supply solution for industrial applications.



Applications

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

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Product	Industrial DIN Rail Power Supply
Product model	SAE-IPW-60
Out put	
Group of Output	1
DC Voltage	48V DC
Default Output Voltage	48.00-48.2V (VIN: 220VAC / LOAD: 0A)
Output Rated Current	1.25A
Output Rated Power	0-1.25A
Total Peak Output Power	60W
Peak Output Current	Up to 30W (Sustainable time 10 S/220VAC)
Ripple noise	Peak - Peak $\leq 100\text{mV}$ (Test Method: The terminal shall be in parallel with capacitance of 0.1uF and 47uF, testing at 20MHz)
Output Regulation Range	DC48
Stabilized Voltage Precision	$\pm 1\%$ (@ 100-240Vac input, 100% load)
Line Regulation	$\pm 0.5\%$ (@ 100-240Vac input, 100% load)
Load Regulation	$\pm 1\%$ (@ 100-240Vac input, 100% load)
Output Start Time	$\pm 0.03\%/^{\circ}\text{C}$
Output Hold Time	< 2S @ nominal input (100% load)
Voltage Overshoot	> 20ms @ 100VAC, > 50 ms @ 240Vac (100% load)



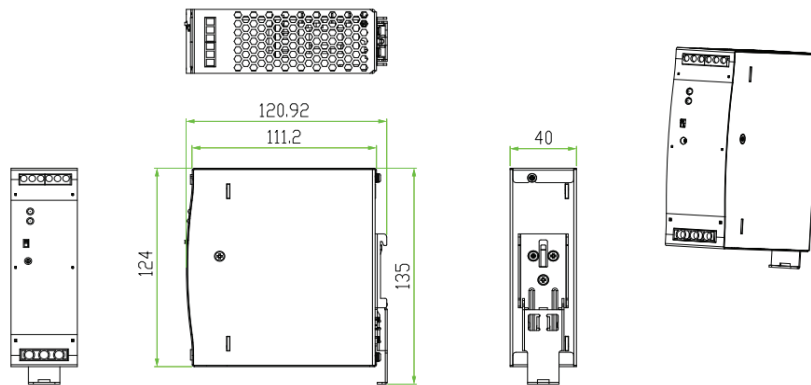
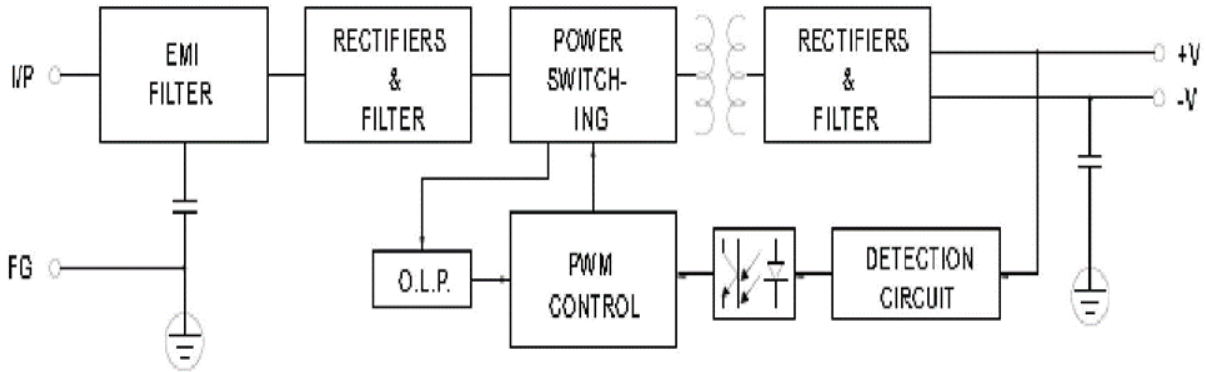
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Input	
Input Voltage Range	100~240VAC
Frequency Range	47Hz~63Hz
Starting Voltage	100VAC
Efficiency	> 90.0% @ 100Vac, > 91.0% @ 240Vac
Input Current	< 1.25A @ 100Vac; < 1.6A @ 240Vac
Inrush Starting Current	> 0.99 @ 100Vac, > 0.93 @ 240Vac
Protection	
<ul style="list-style-type: none">➤ Over power/ 60W Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode: Swing machine, Self-recovery after over-power released.)➤ 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.➤ Over current/ 1.25-1.6A Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode: Swing machine, Self-recovery after over-current released.)➤ 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.	



EMS	<ul style="list-style-type: none">➤ Conducted Emission: EN61000-4-6 Level3➤ Radiated Emission: EN61000-4-3 Level3 criterion B➤ Power Frequency Emission: EN61000-4-8 Level3➤ Electrostatic Emission: EN61000-4-2 Level4 criterion B➤ EFT: EN61000-4-4 Level4 criterion B➤ Surge: EN61000-4-5 Level4 criterion B➤ Dip and Interruption: EN61000-4-11
Dimension	135*121*40mm

product Application Display



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