

PSRSP 320W - Power Supply

FEATURES

- **Universal AC Input/Full Range**
- **Built-in Active PFC Function, PF>0.95**
- **High Efficiency Up to 90%**
- **Short Circuit/Overload/Over Voltage/Over Temperature Protection**
- **Forced Air Cooling By Built-in DC Fan**
- **Built-in Fan Speed Control**
- **Operating Altitude Up to 5000 Meters**
- **Fixed Switching Frequency at 100KHz**
- **CE Certified**



DESCRIPTION

Anaheim Automation's PSRSP 320 series offers versatility and functionality. These power supplies provide up to 320 Watts of power at voltages of 24, 36 and 48VDC with a universal input range of 88-264VAC. Integrated into the power supply is a PFC function, PF>0.95 as well as a built-in constant current limiting circuit, so the unit draws less current and provides up to 90% efficiency. Each power supply is equipped with an LED indicator for power on in addition to short-circuit, overload, over voltage, and over temperature protection features. In addition to flexibility and cost-efficiency, the PSRSP series offers high reliability and a long lifetime.

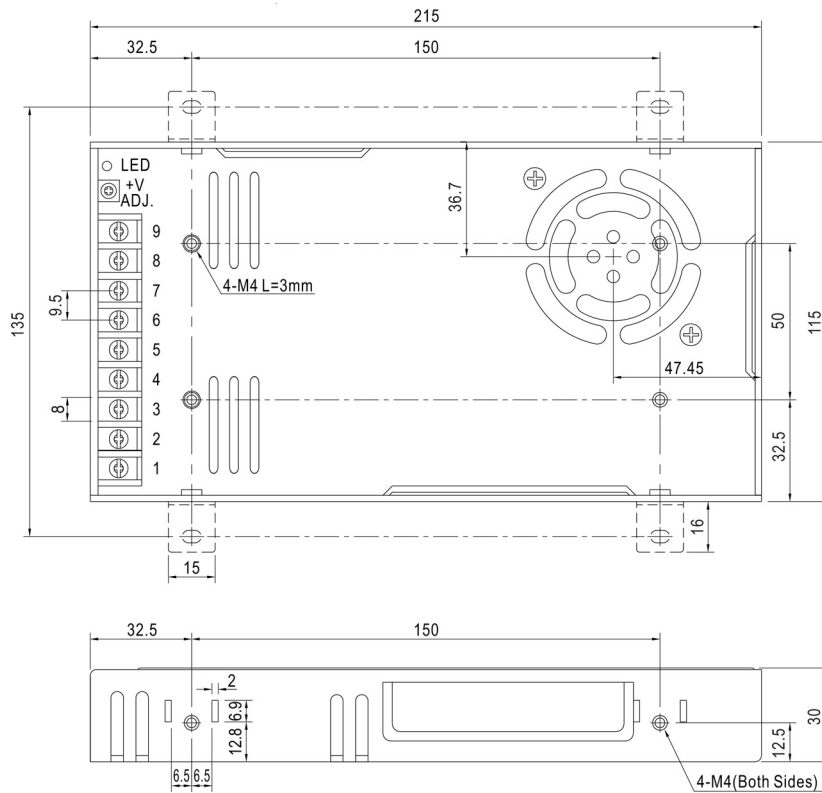
SPECIFICATIONS

INPUT																							
Voltage Range		Voltage Range		Frequency Range		Power Factor		Efficiency		AC Current		Inrush Current (Cold Start)		Leakage Current									
88~264 VAC		124~370 VDC		47~63 Hz		PF>0.95/230VAC		89-90%		4A/115VAC 2A/230VAC		20A/115VAC 40A/230VAC		<1mA/240VAC									
						PF>0.98/115VAC at Full Load																	
OUTPUT																							
Part Number		DC Voltage		Rated Current (A)		Current Range (A)		Rated Power (W)		Ripple & Noise		Voltage Adj. Range (V)		Voltage Tolerance		Line Regulation		Load Regulation		Setup, Rise Time		Hold Time	
PSRSP-320-24V-13.4A		24V		13.4		0~13.4		321.6		150mVp-p		20~26.4		±1.0%		±0.2%		±0.5%		1500ms, 50ms/230VAC		8ms at Full Load	
																				3000ms, 50ms/115VAC at Full Load		230VAC/115VAC	
PSRSP-320-36V-8.9A		36V		8.9		0~8.9		320.4		220mVp-p		32.4~39.6		±1.0%		±0.2%		±0.5%		1500ms, 50ms/230VAC		8ms at Full Load	
																				3000ms, 50ms/115VAC at Full Load		230VAC/115VAC	
PSRSP-320-48V-6.7A		48V		6.7		0~6.7		321.6		240mVp-p		41~56		±1.0%		±0.2%		±0.5%		1500ms, 50ms/230VAC		8ms at Full Load	
																				3000ms, 50ms/115VAC at Full Load		230VAC/115VAC	

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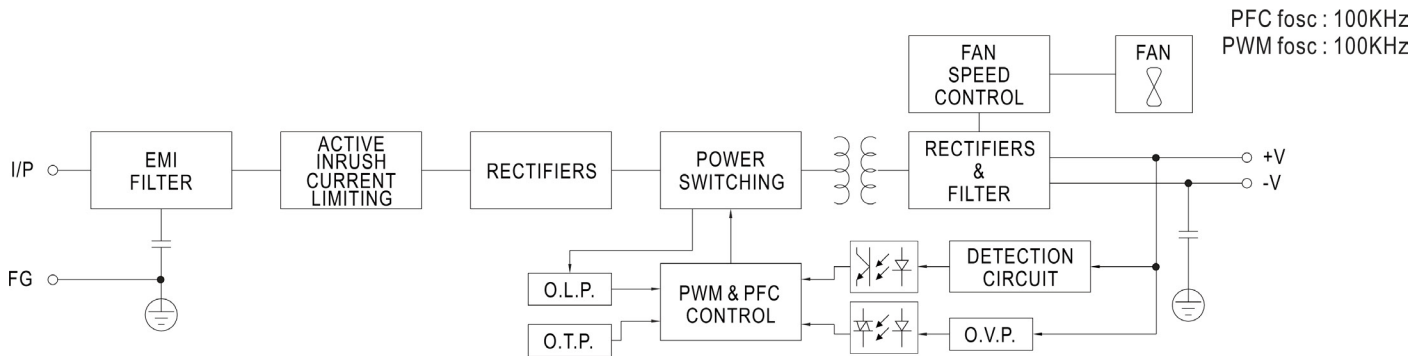
DIMENSIONS



Terminal Pin No. Assignment :

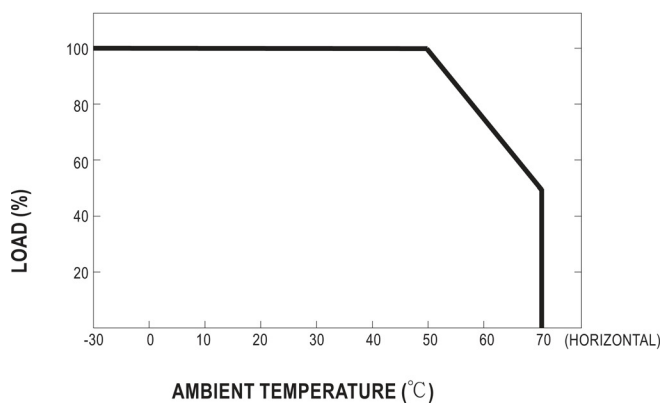
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG \perp		

BLOCK DIAGRAM

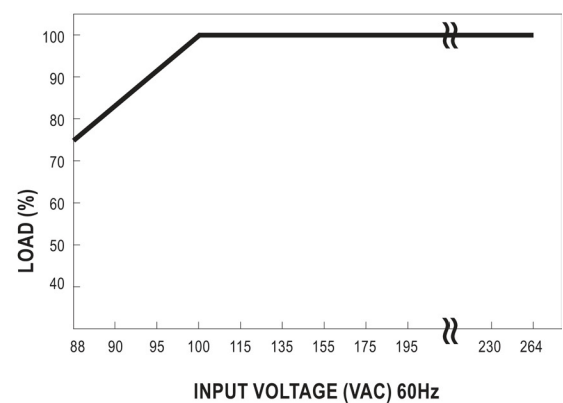


DERATING GRAPHS

Derating Curve



Static Characteristics



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