

PSRSP 200W - Power Supply

FEATURES

- **Universal AC Input/Full Range**
- **Built-in Active PFC Function, PF>0.95**
- **Short Circuit/Overload/Over Voltage/Over Temperature Protection**
- **High Efficiency Up to 90%**
- **Cooling by Free Air Convection**
- **Fixed Switching Frequency at PFC:100KHz PWM:100KHz**
- **LED Indicator for Power On**
- **CE Certified**



DESCRIPTION

Anaheim Automation's PSRSP 200 series offers versatility and functionality. These power supplies provide up to 200 Watts of power at voltages of 24 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

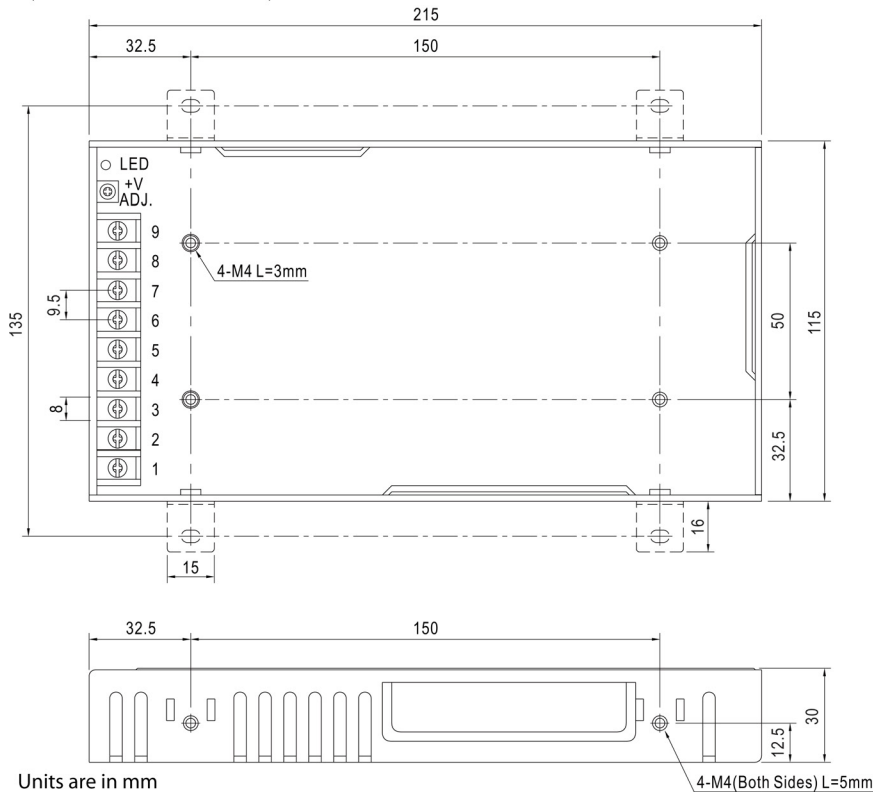
INPUT											
Voltage Range (VAC)	Voltage Range (VDC)	Frequency Range		Power Factor		Efficiency		AC Current	Inrush Current (Cold Start)		Leakage Current
88~264	124~370	47~63 Hz		PF>0.95/230 VAC PF>0.98/115 VAC at Full Load		89.5% for 24VDC 90% for 48VDC		2.5A/115VAC 1.3A/230VAC	20A/115VAC 40A/230VAC		<1mA/240VAC
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-200-24V-8.4A	24V	8.4	0~8.4	201.6	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-200-48V-4.2A	48V	4.2	0~4.2	201.6	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

BLOCK DIAGRAM

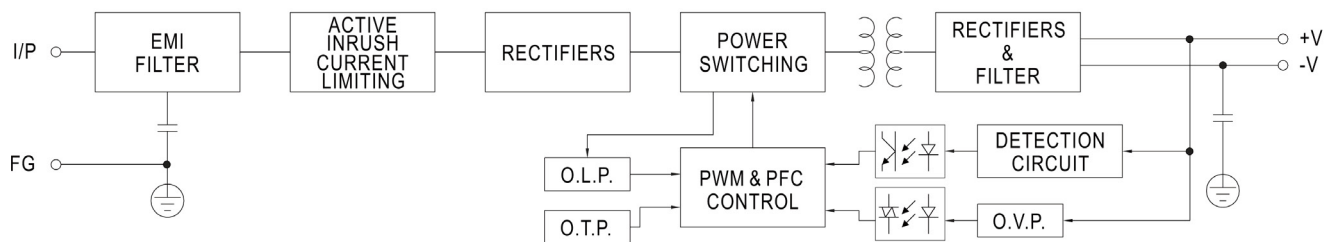
DERATING GRAPHS



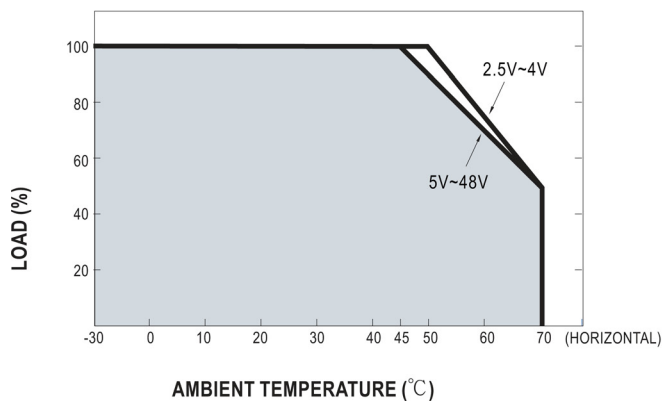
Terminal Pin No. Assignment :

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		

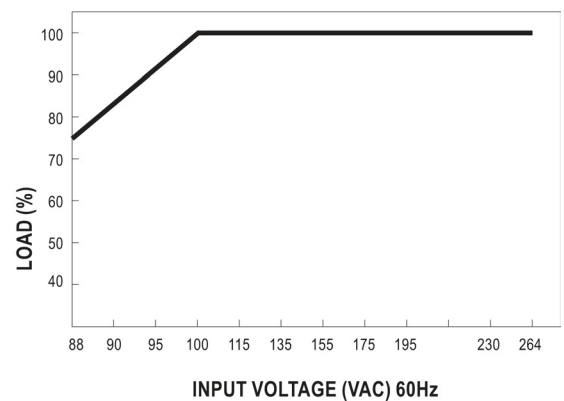
PFC fosc : 100KHz
PWM fosc : 100KHz



Derating Curve



Static Characteristics



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