

PSRSP 150W - Power Supply



FEATURES

- **Universal AC Input/Full Range**
- **Built-in Active PFC Function, PF>0.93**
- **High Efficiency Up to 90%**
- **Cooling by Free Air Convection**
- **Built-in Remote ON-OFF Control**
- **LED Indicator for Power On**
- **100% Full Load Burn-in Test**
- **Protections: Short Circuit / Overload / Over Voltage / Over Temperature**
- **Fixed Switching Frequency at PFC:67KHz PWM:67KHz**
- **CE Certified**



DESCRIPTION

Anaheim Automation's PSRSP 150 series offers versatility and functionality. This power supply provides up to 150 Watts of power at voltages of 24 and 48VDC with a universal input range of 85-264VAC. Integrated into the power supply is a PFC function, PF>0.93 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; the option of remote ON-OFF control is also available. In addition to flexibility and cost-efficiency, the PSRSP series offers high reliability and a long lifetime.

SPECIFICATIONS

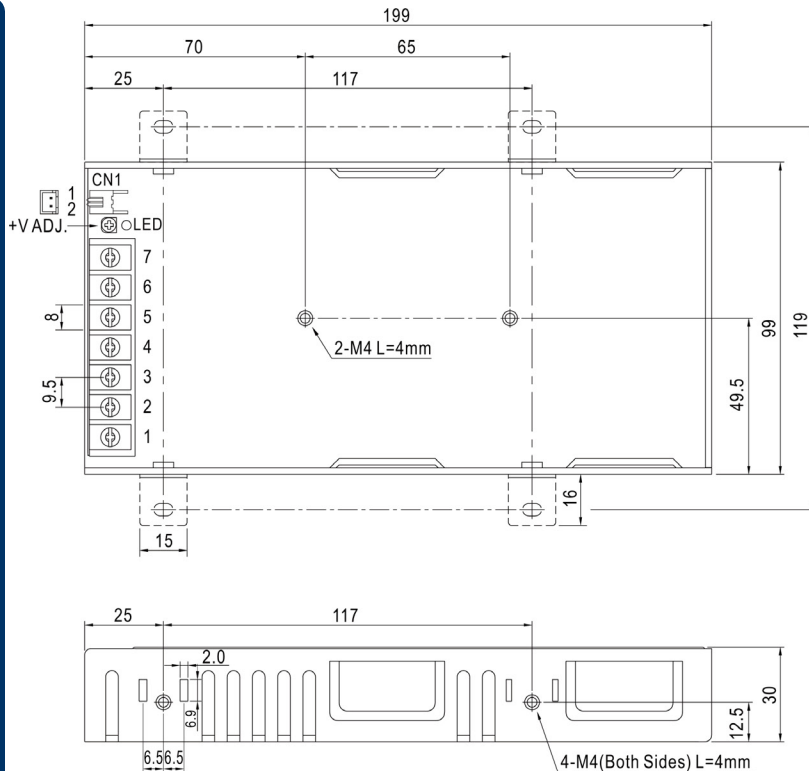
INPUT							
Voltage Range (VAC)	Voltage Range (VDC)	Frequency Range	Power Factor	Efficiency	AC Current	Inrush Current (Cold Start)	Leakage Current
85~264	120~370	47~63 Hz	PF>0.93/230 VAC PF>0.98/115 VAC at Full Load	89% for 24VDC 90% for 48VDC	1.6A/115VAC 0.8A/230VAC	45A/230VAC	<2mA/240VAC

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-150-24V-6.3A	24V	6.3	0~6.3	151.2	150mVp-p	22.8~26.4	±1.0%	±0.5%	±0.5%	600ms, 30ms at full load	16ms at full load
PSRSP-150-48V-3.2A	48V	3.2	0~3.2	153.6	250mVp-p	45.6~52.8	±1.0%	±0.5%	±0.5%	600ms, 30ms at full load	16ms at full load

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DIMENSIONS



Units are in mm

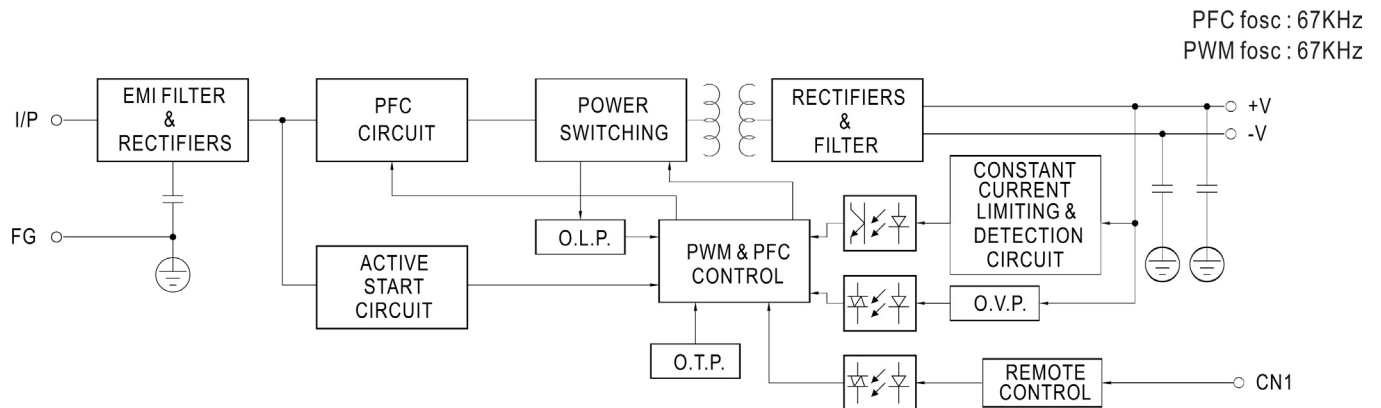
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG \perp		

Remote ON/OFF(CN1): JST B-XH or equivalent(optional)

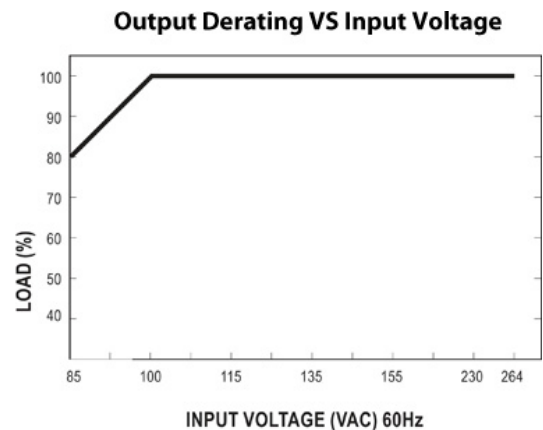
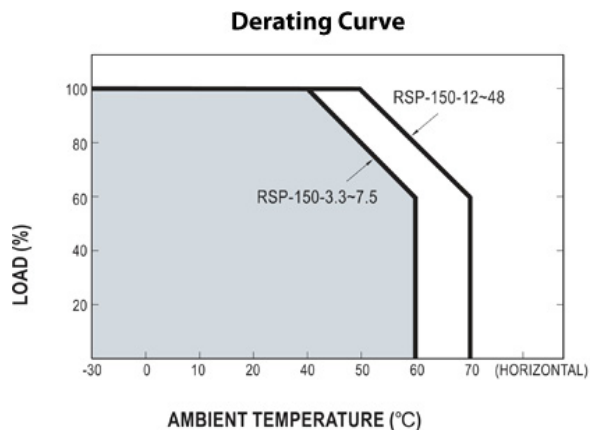
Pin No.	Assignment	Mating Housing	Terminal
1	RC+	JST XHP or equivalent	JST SXH-001T or equivalent
2	RC-		

BLOCK DIAGRAM



PFC fosc : 67KHz
PWM fosc : 67KHz

DERATING GRAPHS



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