

## S-150 Series - 150W Single Output Switching Power Supply

[Home](#) > [Products](#) > [Enclosed](#) > 150W Single Output Switching Power Supply

### Features

- AC input selected by switch
- Built in EMI filter, low ripple noise
- 100% full load burn-in test
- Short circuit/ over load/over voltage protected
- Cooling by free air convection
- Approvals: UL/ TUV/ CE
- High efficiency, low working temperature
- Fixed switching frequency at 25KHz

### Standards



### Specification

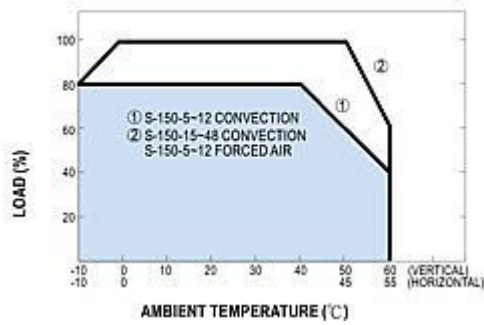
<b>Input voltage</b>	88~132VAC/ 176~264VAC selected by switch
<b>Input frequency</b>	47-63Hz
<b>Input current</b>	3.2A/115VAC 1.6A/230VAC
<b>Inrush current</b>	Cold start, 35A
<b>Leakage current</b>	<3.5mA/240VAC
<b>Setup, rise, hold up time</b>	100ms, 50ms, 20ms at full load
<b>Overload protection</b>	105%~150% rated output power. Output will shut down, repower to recover
<b>Over voltage protection</b>	Should an over voltage condition occur the output will shutdown, repower to recover
<b>Working temperature</b>	-10°C ~ +60°C (refer to output load derating curve)
<b>Working humidity</b>	20 ~ 90% RH non-condensing
<b>Storage temperature, Humidity</b>	-20 ~ +85°C, 10 ~ 95% RH
<b>Temp. coefficient</b>	±0.03%/°C (0~50°C)
<b>Vibration</b>	10 ~ 500Hz, 2G 10 min./1 cycle, 60min. each along X,Y,Z axes
<b>Withstand voltage</b>	I/P-O/P:3KV, I/P-FG:1.5KV, O/P-FG:0.5KVAC
<b>Isolation resistance</b>	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC
<b>Safety standards</b>	UL 1012, UL60950-1, TUV EN60950-1
<b>EMC standards</b>	EN55022(CISPR22)Class B; EN61000-3-2,-3; EN61000-4-2,3,4,5,6,8,11; ENV50204; EN55024, Light industri
<b>Connection</b>	7P/ 9.5mm pitch terminal block
<b>MTBF</b>	286.7K hrs minimum

Items

S-150 Series

Part No	Output	Rated Power	R&N	Voltage Adj.	Tol.	Line Reg.	Load Reg.	Eff.	OVP
S-150-27	27V, 5.6A	151.2W	240mV	24V~30V	±1%	±0.2%	±0.2%	86%	31.1V~36.45V
S-150-5	5V, 30A	150W	150mV	4.5V~5.5V	±2%	±0.5%	±0.5%	78%	5.75V~6.75V
S-150-7.5	7.5V, 20A	150W	150mV	6V~8.3V	±1%	±0.5%	±0.5%	80%	8.63V~10.13V
S-150-9	9V, 16.7A	150.3W	180mV	8V~10.4V	±1%	±0.3%	±0.3%	80%	10.35V~12.2V
S-150-12	12V, 12.5A	150W	180mV	10.6V~13.2V	±1%	±0.3%	±0.3%	82%	13.8V~16.2V
S-150-13.5	13.5V, 11.2A	151.2W	180mV	12V~15V	±1%	±0.3%	±0.3%	83%	15.53V~18.2V
S-150-15	15V, 10A	150W	180mV	13.5V~16.5V	±1%	±0.3%	±0.3%	84%	17.25V~20.3V
S-150-24	24V, 6.5A	156W	240mV	21V~28V	±1%	±0.2%	±0.2%	85%	30V~34.8V
S-150-48	48V, 3.2A	153.6W	240mV	43V~53V	±1%	±0.2%	±0.2%	87%	55.2V~64.8V

Derating Curve



Static Characteristics (24V)

