

## S-240 Series - 240W Single Output Switching Power Supply

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Features	Standards
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- Auto switching AC input range
- Built in EMI filter, low ripple noise
- 100% full load burn-in test
- Forced air cooling by built in DC fan
- Built in cooling fan on-off control
- Built in Passive PFC choke
- Power on LED indicator
- High efficiency, high reliability
- Short circuit/ over load/over voltage/ over temp. protected
- Fixed switching frequency at 75KHz
- Approvals: UL/ CUL/ TUV/ CE



Specification	
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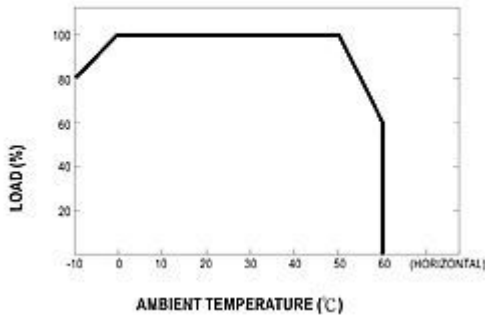
<b>Input voltage</b>	88~132VAC/ 176~264VAC auto switching
<b>Input frequency</b>	47-63Hz
<b>Input current</b>	5A/115V, 2.5A/230V
<b>Inrush current</b>	18A/115V, 36A/230V
<b>Leakage current</b>	<2mA/240VAC
<b>Setup, rise, hold up time</b>	1s, 20ms, 20ms at full load
<b>Overload protection</b>	105%~135% rated output power. Hiccup mode, auto recovery
<b>Over voltage protection</b>	Should an over voltage condition occur the unit shall go into hiccup mode and recover once the fault
<b>Fan control, O.T.P.</b>	RT1?40?C FAN ON, ?35?C FAN OFF, 70?C output shutdown
<b>Working temperature, Humidity</b>	-10?C~+60?C (refer to output load derating curve) 20~90% RH non-condensing
<b>Storage temperature, Humidity</b>	-20?C~+85?C, 10~95% RH
<b>Temperature coefficient</b>	?0.03%/?C (0~50?C)
<b>Vibration</b>	10~500Hz, 2G 10min./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 standard</b>	UL60950-1, TUV EN60950-1 Approved. 7.5V design only complies to TUV EN60950-1)
<b>EMC standard</b>	EN55022(CISPR22)Class B, EN61000-3-2,3; EN61000-4-2,3,4,5,6,8,11; ENV50204, Light industrial level
<b>Connection</b>	7P/ 9.5mm pitch terminal block
<b>MTBF</b>	179.3K hrs min.

**Items**

S-240 Series

Part No	Output	Rated Power	R&N	Volt. Adj.	Tol.	Line Reg.	Load Reg.	Eff.	OVP
S-240-5	5V, 40A	200W	150mV	4.5V~5.8V	±2%	±0.5%	±1%	78%	6V~7V
S-240-7.5	7.5V, 30A	225W	200mV	6V~9V	±2%	±0.5%	±1%	80%	9.4V~10.9V
S-240-12	12V, 18A	216W	150mV	10V~14V	±1%	±0.5%	±0.5%	82%	14.4V~16.8V
S-240-15	15V, 15A	225W	150mV	12V~18V	±1%	±0.5%	±0.5%	83%	18.5V~21.5V
S-240-24	24V, 10A	240W	180mV	20V~28V	±1%	±0.5%	±0.5%	84%	31.2V~36V
S-240-30	30V, 8A	240W	180mV	27V~33V	±1%	±0.5%	±0.5%	85%	34.5V~40.5V
S-240-48	48V, 5A	240W	240mV	41V~56V	±1%	±1%	±1%	87%	57.6V~67.2V

■ Output Derating



■ Static Characteristics (24V)

