



## Desktop Switching Power Supply

Model  
SEC-1235P-M  
30 Amps



EFFICIENCY LEVEL VI<sub>115 VAC</sub>  
EFFICIENCY LEVEL VI<sub>230 VAC</sub>

### Design Features

- Universal Input: 100 to 240 VAC, 50/60 Hz
- Power Factor Corrected
- Complies with Minimum Energy Performance Standard (MEPS) for external power supplies
- Efficiency Level 6
- Advanced switch-mode technology
- Reliable power with minimum weight and size
- Circuit innovations minimize output voltage ripple and RFI

### 3 YEAR LIMITED WARRANTY

MODEL NO.		SEC-1235P-M	
		Input: 115A	Input: 230V
INPUT VOLTAGE RANGE		100-240 VAC	
INPUT FREQUENCY RANGE		50-60Hz (47-63Hz)	
INPUT	AC INPUT CURRENT	3.87A at 120 VAC 4.05A at 115 VAC 4.80A at 100 VAC	1.91A at 240 VAC 1.99A at 230 VAC 2.4A at 200 VAC
	INRUSH CURRENT ON SWITCHING ON	30A (Cold start)	60A (Cold start)
	POWER FACTOR AT FULL LOAD	0.99	0.97
	NO LOAD POWER DRAW	< 0.5W	< 0.5W
	AVERAGE EFFICIENCY	> 89%	> 92%
	ENERGY EFFICIENCY LEVEL	Level VI	Level VI
	PWM SWITCHING FREQUENCY	75 to 150 KHz	
	PFC SWITCHING FREQUENCY	25 to 68 KHz	
	OUTPUT VOLTAGE	13.8V ± 0.1V	
	OUTPUT CURRENT: RATED	30A	
OUTPUT	OUTPUT CURRENT: CURRENT LIMIT	36 to 37.5A	36.3A
	OUTPUT POWER	414W	
	OUTPUT RIPPLE AND NOISE	100 mV peak to peak at full load	
	OUTPUT VOLTAGE ADJUSTMENT RANGE	12.5 to 15.0 VDC	
	OUTPUT VOLTAGE TOLERANCE AT NO LOAD	±0.1V	
	OUTPUT METERING	Provided with the following meters: <ul style="list-style-type: none"> <li>• Voltmeter : 0 to 15V; 0.5V per division</li> <li>• Ammeter: 0 to 50A; 2A per division</li> <li>• Back lighting with On/Off Switch</li> </ul>	
PROTECTIONS	OVERLOAD AND SHORT CIRCUIT	Hiccup Mode at 120% (36A). Auto reset when fault is removed.	
	OUTPUT OVER VOLTAGE PROTECTION	By PWM Controller (16.5 ± 0.5 VDC)	
	COOLING	Fan ON when the temperature of Secondary Heat Sink reaches 55°C ± 5°C. Fan switches OFF when the temperature drops to 45°C ± 5°C	
	OVER TEMPERATURE PROTECTION	The unit will shut down when the temperature of the Primary Heat Sink rises to 105°C ± 5°C. Auto reset when the temperature drops to 75°C ± 5°C	
INTERNAL AC SIDE FUSE		250V, 6.3A; Time Delay Type; 5mm x 20mm	

NOTE: Specifications are subject to change without notice

Over ▶

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		Input: 115A      Input: 230V
<b>ENVIRONMENTAL</b>	<b>OPERATING TEMPERATURE</b>	-20°C to +50°C: 100% rated power 50°C – 60°C: Linearly de-rate from 100% power at 50°C to 80% power at 60°C
<b>COMPLIANCE - SAFETY</b>	<b>UL SAFETY LISTED: USA</b>	UL 62368-1, 2014-12-1
	<b>UL SAFETY LISTED: CANADA</b>	CSA C22.2 No. 62368-1-14, 2014-12
	<b>EUROPEAN CE SAFETY MARKED</b>	<ul style="list-style-type: none"> <li>• Low Voltage Directive (LVD) 2014/35/EU</li> <li>• EN62368-1 : 2014+A11 : 2017</li> </ul>
	<b>AUSTRALIA AND NEW ZEALAND SAFETY REQUIREMENTS</b>	AS/NZS 60950-1: 2015
<b>COMPLIANCE: EMC</b>	<b>NORTH AMERICA</b>	EMI: FCC Part 15(B), Class B
	<b>EUROPE (FOR CE MARK)</b>	EMC Directive: 2014/30/EU EMI: EN55032:2012; <ul style="list-style-type: none"> <li>• EN61000-3-2: 2014</li> <li>• EN61000-3-3: 2013</li> </ul> EMS: EN55024: 2010 <ul style="list-style-type: none"> <li>• EN61000-4-2: 2009;</li> <li>• EN61000-4-3:2006+A1:2008+A2:2010</li> <li>• EN61000-4-4:2012</li> <li>• EN61000-4-5:2014</li> <li>• EN61000-4-6:2014</li> <li>• EN61000-4-8:2010</li> <li>• EN61000-4-11:2004</li> </ul>
	<b>AUSTRALIA / NEW ZEALAND</b>	EMI: AS/NZS CISPR 32, Class B
<b>COMPLIANCE: ROHS2</b>	<b>FOR EUROPEAN CE MARK</b>	2011/65/EU (RoHS2)
<b>COMPLIANCE: ENERGY EFFICIENCY OF EXTERNAL POWER SUPPLIES</b>	<b>USA DEPARTMENT OF ENERGY (DOE)</b>	10CFR, Parts 429 and 430
	<b>CALIFORNIA APPLIANCE EFFICIENCY REGULATIONS</b>	California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4, Sections 1601 to 1608
	<b>INTERNATIONAL EFFICIENCY MARKING PROTOCOL</b>	Efficiency Level: VI      Efficiency Level: VI
<b>COUNTRY OF MANUFACTURE</b>	<b>MADE IN</b>	Taiwan
<b>DIMENSIONS</b>	<b>(W X D X H)</b>	185 x 208 x 57.8mm / 7.28 x 8.19 x 2.28 in
<b>WEIGHT</b>	<b>(KG / LB)</b>	1.66 Kg / 3.7 lb

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