



Desktop Switching Power Supply

Model
SEC-1235P-M
30 Amps



EFFICIENCY LEVEL VI 115 VAC
EFFICIENCY LEVEL VI 230 VAC

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	INPUT VOLTAGE RANGE	100-240 VAC	
	INPUT FREQUENCY RANGE	50-60Hz (47-63Hz)	
	AC INPUT CURRENT	3.87A at 120 VAC	1.91A at 240 VAC
		4.05A at 115 VAC	1.99A at 230 VAC
		4.80A at 100 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	OUTPUT VOLTAGE	13.8V ± 0.1V	
	OUTPUT CURRENT: RATED	30A	
	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: • Voltmeter : 0 to 15V; 0.5V per division • Ammeter: 0 to 50A; 2A per division • Back lighting with On/Off Switch		
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 ►

**samlexamerica®****30A****Desktop
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Power Supply**Model
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MODEL NO.		SEC-1235P-M
		Input: 115A Input: 230V
ENVIRONMENTAL	OPERATING TEMPERATURE	-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
COMPLIANCE - SAFETY	UL SAFETY LISTED: USA	UL 62368-1, 2014-12-1
	UL SAFETY LISTED: CANADA	CSA C22.2 No. 62368-1-14, 2014-12
	EUROPEAN CE SAFETY MARKED	• Low Voltage Directive (LVD) 2014/35/EU • EN62368-1 : 2014+A11 : 2017
	AUSTRALIA AND NEW ZEALAND SAFETY REQUIREMENTS	AS/NZS 60950-1: 2015
COMPLIANCE: EMC	NORTH AMERICA	EMI: FCC Part 15(B), Class B EMC Directive: 2014/30/EU EMI: EN55032:2012; • EN61000-3-2: 2014 • EN61000-3-3: 2013 EMS: EN55024: 2010 • EN61000-4-2: 2009; • EN61000-4-3:2006+A1:2008+A2:2010 • EN61000-4-4:2012 • EN61000-4-5:2014 • EN61000-4-6:2014 • EN61000-4-8:2010 • EN61000-4-11:2004
	EUROPE (FOR CE MARK)	
	AUSTRALIA / NEW ZEALAND	EMI: AS/NZS CISPR 32, Class B
	FOR EUROPEAN CE MARK	2011/65/EU (RoHS2)
COMPLIANCE: ENERGY EFFICIENCY OF EXTERNAL POWER SUPPLIES	USA DEPARTMENT OF ENERGY (DOE)	10CFR, Parts 429 and 430
	CALIFORNIA APPLIANCE EFFICIENCY REGULATIONS	California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4, Sections 1601 to 1608
	INTERNATIONAL EFFICIENCY MARKING PROTOCOL	Efficiency Level: VI Efficiency Level: VI
COUNTRY OF MANUFACTURE	MADE IN	Taiwan
DIMENSIONS	(W X D X H)	185 x 208 x 57.8mm / 7.28 x 8.19 x 2.28 in
WEIGHT	(KG / LB)	1.66 Kg / 3.7 lb

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