



Desktop Switching Power Supply

Model
SEC-1223P
23 Amps



Energy Verified
Rendement
Énergétique Vérifié



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-1223P	
		Input: 115A Input: 230V	
INPUT	INPUT VOLTAGE RANGE	100-240 VAC	
	INPUT FREQUENCY RANGE	50-60Hz (47-63Hz)	
	AC INPUT CURRENT	3.01A at 120 VAC 3.15A at 115 VAC 3.7A at 100 VAC	1.49A at 240 VAC 1.55A at 230 VAC 1.85A 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%	> 91%
	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	23A	
	OUTPUT CURRENT: CURRENT LIMIT	27.6 to 29.0A	27.5A
	OUTPUT POWER	317.4W	
	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	
PROTECTIONS	OVERLOAD AND SHORT CIRCUIT	Hiccup Mode at 120% (27.6A). 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, 4.0A; Time Delay Type; 5mm x 20mm	

NOTE: Specifications are subject to change without notice

Over ▶

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MODEL NO.		SEC-1223P
		Input: 115A Input: 230V
ENVIRONMENTAL	OPERATING TEMPERATURE	-20°C to +50°C: 100% rated power
	OVER TEMPERATURE PROTECTION	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	<ul style="list-style-type: none"> • 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
	EUROPE (FOR CE MARK)	EMC Directive: 2014/30/EU EMI: EN55032:2012; <ul style="list-style-type: none"> • EN61000-3-2: 2014 • EN61000-3-3: 2013 EMS: EN55024: 2010 <ul style="list-style-type: none"> • 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
	AUSTRALIA / NEW ZEALAND	EMI: AS/NZS CISPR 32, Class B
COMPLIANCE: ROHS2	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)	1.53 Kg / 3.4 lb

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