

# ***REGULATED DC POWER SUPPLY***



**MODELS: SEC-1235**

**SEC-1235M**

## **Introduction:**

SEC-1235 / SEC-1235M are Switched Mode Power Supplies (SMPS) which convert 120 VAC, 60 Hz (or 230 V, 50 / 60 Hz \*) AC power to regulated 13.8 V DC power based on Pulse Width Modulation (PWM) control.

## **Features:**

- Based on switched mode technology and PWM control
- Compact and light weight
- High efficiency and less heat dissipation
- SEC-1235M comes with voltmeter and ammeter
- Protected against short circuit, over load and over temperature
- Cooling by temperature controlled fan
- UL safety certified and listed under UL Standard UL60950-1 for Information Technology Equipment Power Supply
- Complies with FCC Part 15(B) for limits on EMI for Class B Digital Devices

## Specification:

Model Nos.	SEC-1235 No meters SEC-1235M With Voltmeter and Ammeter
Nominal Input Voltage	120 VAC, 60 Hz (100 VAC to 130 VAC) – Factory preset 230 VAC, 50 Hz / 60 Hz (200 VAC to 260 VAC) – By internal setting
Input current	7.5 A at 120 VAC, 60 Hz 3.5 A at 230 VAC 50 / 60 Hz.
Output Voltage	13.8 VDC
Output voltage adjustment	11.5 V to 15.5 V with the help of internal potentiometer
Output current	30 A continuous
Current limit	35 A, constant current limiting, auto recovery
No load current draw	120 mA at 120 VAC
Ripple	50 mV peak to peak
Noise	150 mV peak to peak
Peak Efficiency	85%
Cooling	Temperature controlled fan
Output indications	Voltmeter and Ammeter (only for SEC-1235M)
Protections against	Overload, short circuit Over temperature
Operating temperature	0° to 40° C
Safety Certification	UL60950-1, E179076
EMI (Emissions) compliance:	FCC Part 15 (B) for Class B devices
AC input connections	Male AC inlet connector Type “IEC 320-C14” Detachable AC power cord with: - Female connector Type “IEC 320-C13” on one end to mate with AC power inlet connector on the power supply - Male, 2 pole 3 Wire grounding (3 prong) plug Type “NEMA5-15P” on the other end for connection to the AC outlet.
DC output connections	RED (+) and BLACK (-) terminals with tubular hole and set screw. Hole diameter 0.2 “, (5 mm). Includes a pair of copper terminal lugs for crimping to output wires to the load
Input side fuse (5 mmX20mm, glass ferrule, delayed action)	For 120 VAC input: Rating 250 V, 8 A For 230 VAC input: Rating - 250 V, 4A
Weight	3.4 lbs
Dimensions (L X W X H)	8” X 7.3” X 2.5” for SEC-1235 8.4” X 7.3” X 2.5” for SEC-1235M

Note: The above specifications are subject to change without notice.