



## Desktop Switching Power Supply

Model  
SEC-1235G PP  
12VDC / 32 Amps

### Design features

- Advanced switch mode technology
- Double Powerpole connectors for quick and reliable power transfer
- Circuit innovations minimize output voltage ripple and RFI
- 2 years warranty

### Application examples

- Two way radio base station
- Communications systems
- Test equipment
- Automotive & marine displays

## 2 YEAR LIMITED WARRANTY

MODEL NO.	SEC-1235G PP
<b>AC INPUT</b>	
NOMINAL AC INPUT VOLTAGE	120-240VAC, 50/60 Hz
MAXIMUM INPUT CURRENT	4.33A @ 120VAC, 2.10A @ 240VAC
INPUT CURRENT AT NO LOAD	0.11A @ 115VAC, 0.16A @ 230VAC
PFC (POWER FACTOR CORRECTION)	Active
POWER FACTOR AT FULL LOAD	0.99 @ 115VAC, 0.98 @ 230VAC
<b>DC OUTPUT</b>	
OUTPUT VOLTAGE	13.8VDC $\pm$ 1%
OUTPUT CURRENT, CONTINUOUS	32A
OUTPUT CURRENT, LIMIT	35A
OUTPUT RIPPLE & NOISE	< 150 mV Peak to Peak on full load
<b>DESIGN</b>	
TYPE	Switch Mode Power Supply (SMPS) with Fixed Frequency Pulse Width Modulation (PWM)
OUTPUT SIDE SWITCHING FREQUENCY	110kHz
SHORT CIRCUIT, OVERLOAD	Constant Current Limiting at 35A; Auto Reset
THD OF OUTPUT WAVEFORM	Same as external AC input source
PEAK EFFICIENCY	$\geq$ 90%
<b>PROTECTIONS</b>	
REVERSE POLARITY	Yes, protected
OVER VOLTAGE	Regulated by PWM Controller
OVER TEMPERATURE	Over temperature shut down through PWM controller
<b>COOLING</b>	
CONVECTION AND FORCED AIR	The fan will be off at lower loads. It will come on when the temperature of the Power Transformer exceeds 70 °C. Extra protection in case the fan fails.
<b>FUSE</b>	
AC FUSE RATING, SLOW BLOW	T5A/250V

**NOTE:** Specifications are subject to change without notice

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<b>COMPLIANCE</b>	
SAFETY	EN62368-1
EMI/EMC	EN55022 Class B; EN61000-3-2,3; EN61000-4-2,3,4,5,6,8,11
C_TICK	AN/NZS CISPR22: Class B
FCC	Part 15 Subpart B Class B
<b>CONNECTIONS</b>	
AC INPUT CONNECTION	Detachable power cord with European schuko plug. Also available on request with Swiss or UK plug.
DC OUTPUT CONNECTORS	Double Powerpole connectors
<b>ENVIRONMENTAL</b>	
OPERATING TEMPERATURE RANGE	-20°C to +50°C
STORAGE TEMPERATURE RANGE	-30°C to +70°C
<b>DIMENSIONS AND WEIGHT</b>	
DIMENSIONS (L X W X H)	190 x 180 x 60 mm
WEIGHT	1.85 kg

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