



12V/25A



2 YEAR LIMITED WARRANTY

Desktop Switching Power Supply

Model

SEC-1225G PP
12VDC / 25 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

MODEL NO.	SEC-1225G PP
AC INPUT	
NOMINAL AC INPUT VOLTAGE	120-240VAC, 50/60 Hz
MAXIMUM INPUT CURRENT	3.33A @ 120VAC, 1.63A @ 240VAC
INPUT CURRENT AT NO LOAD	0.13A @ 115VAC, 0.2A @ 230VAC
PFC (POWER FACTOR CORRECTION)	Active
POWER FACTOR AT FULL LOAD	0.99 @ 115VAC, 0.98 @ 230VAC
DC OUTPUT	
OUTPUT VOLTAGE	13.8VDC ± 1%
OUTPUT CURRENT, CONTINUOUS	25A
OUTPUT CURRENT, LIMIT	27A
OUTPUT RIPPLE & NOISE	< 120 mV Peak to Peak on full load
DESIGN	
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 27A; Auto Reset
THD OF OUTPUT WAVEFORM	Same as external AC input source
PEAK EFFICIENCY	≥ 90%
PROTECTIONS	
REVERSE POLARITY	Yes, protected
OVER VOLTAGE	Regulated by PWM Controller
OVER TEMPERATURE	Over temperature shut down through PWM controller
COOLING	
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.
FUSE	
AC FUSE RATING, SLOW BLOW	T4A/250V

NOTE: Specifications are subject to change without notice

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COMPLIANCE	
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
CONNECTIONS	
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
ENVIRONMENTAL	
OPERATING TEMPERATURE RANGE	-20°C to +50°C
STORAGE TEMPERATURE RANGE	-30°C to +70°C
DIMENSIONS AND WEIGHT	
DIMENSIONS (L X W X H)	190 x 180 x 60 mm
WEIGHT	1.75 kg

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