

SPECIFICATIONS

Input Voltage	230Vac nominal, 16.7Hz 195-264Vac operating range
Input Protection	Inrush current limiting Varistor Internal safety fuse Lower voltage than the specified minimum input will not damage the unit
Isolation	2250Vdc input to chassis 2250Vdc output to chassis
Output Voltage	230Vac/50Hz/2.1Arms continuous Output neutral is internally connected to chassis
Output Wave Form	Sinusoidal
Total Harmonic Distortion	Less than 5% at full load
Line/Load Regulation	Maximum $\pm 6\%$ from no load to full load
Load Crest Factor	2.5 at 90% load
Output Ripple Noise	High frequency ripple is less than 500mVrms (20MHz BW)
Efficiency	80% at full load
Output Overload Protection	Current limiting with short circuit protection. At approximately 600VA, unit enters cycling (hiccup) mode. Thermal shutdown with automatic recovery in case of insufficient cooling
Output Overvoltage Protection	270Vac by internal supply voltage limiting

Standards	Designed to meet C22.2 No. 107.1 - 01, UL 458, EN 60950-1, EN 62368-1 and CE
EMI	EN 55032 Class A as a minimum
Operating Temperature	-25°C to +50°C for full specification without derating Derating linearly 2.5% per °C rise above +50°C to +70°C max.
Humidity	5 - 95% non-condensing
Temperature Drift	0.05% per °C over operating temperature range
Cooling	Built-in fans draw air into the unit
Environmental Protection	Basic ruggedizing and conformal coating Full ruggedizing and conformal coating as option
Shock/Vibration	IEC 61373 Cat 1 A&B
Dimensions	3U3: 187 x 132 x 407 mm (W x H x L) including connectors, excluding flanges
Weight	7 Kg
Connections	Input: PHOENIX connector SMKDS 5/3-9.5 Output: 3-pole barrier-type terminal strip with 1/2" spacing Terminal block cover included
MTBF	95,000 hours at 45°C Demonstrated MTBF is significantly higher Fans excluded
Indicators	None
Control Input	None
Alarm output	None Optional output Fail Alarm (Form C)
RoHS Compliance	Fully compliant
Warranty	2 years

