

## CROSSNET-ONE™ SOUND MASKING SYSTEM

### Power Supply Unit Specifications – Model #CN-BP6

The CrossNetOne™ Sound Masking System uses a 48 Volt DC power supply unit that features:

- Universal AC input/full range
- Built-in active PFC function, PF>0.93
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Built-in constant current limiting circuit
- Remote ON-OFF control (Optional)
- LED indicator for power on
- 100% full load burn-in-test
- Fixed switching frequency at PFC:67KHz PWM:134KHz
- 3 year warranty



## TECHNICAL SPECIFICATIONS

<b>OUTPUT:</b>		<b>FUNCTION:</b>	
DC Voltage	48V	Remote Control	CN1:4-10VDC Power On, <0 – 0.8DC Power Off
Rated Current	3.2A	<b>ENVIRONMENT:</b>	
Current Range	0-3.2A	Working Temp.	-10-+60 °C (Refer to output load derating curve)
Rated Power	153.6W	Working Humidity	20-90% RH non-condensing
Ripple & Noise (max)	250mVp-p	Storage Temp. Humidity	-20-+85 °C, 10-95% RH
Voltage Adj. Range	45.6 – 52.8V	Temp. Coefficient	±0.05%/°C (0-50 °C)
Voltage Tolerance	±1.0%	Vibration	10-500Hz, 2G 10min/1 cycle) 60min, each along X,Y,Z axes
Line Regulation	±0.5%	<b>SAFETY &amp; EMC:</b>	
Load Regulation	±0.5%	Safety Standards	UL60950-1, TUV EN55022 and S-MARK J60950 Approved
<b>INPUT:</b>		Withstand Voltage	1/P-O/P:3KVAC 1/P-FG:1.5KVAC O/P-FG:0.5KVAC
Voltage Range	85-264 VAC 120-370VDC	Isolation Resistance	1/P-O/P, 1/P-FG:100M Ohms/500VDC
Frequency Range	47-63HZ	EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B
Power Factor (Typ.)	PF>0.93/230VAC PF>0.98/115VAC at full load	Harmonic Current	Compliance to EN61000-3-2,-3
Efficiency (Typ.)	84%	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, ENV55024, Light Industry level, criteria A
AC Current	2.5A/115VAC 1.2A/230VAC	MTBF	191.2K hrs. min. MIL-HDBK-217F (25 °C)
Inrush Current (Typ.)	Cold Start 40A/230VAC	Dimension	199*99*50mm (L*W*H)
Leakage Current	<2mA/240VAC	Packing	0.76Kg; 20pcs/16.4Kg/1.28CUFT
<b>PROTECTION:</b>		Other Systems Also Available Spectra i.Net™ (Networked) Spectra®, CrosswaysOne™	
Overload	105-150% rated output power	In-plenum and direct field all available with page/music.	
Over Voltage	52.8 – 64.8V		
Over Temp.	95°C±5°C (TSW1:Detect on heatsink of power transistor)		