AC/DC Power Supply

Ultra-high efficiency 1U size



PLUG & PLAY POWER next generation power source

FEATURES

- · 1.5V to 58V standard output voltages
- 1340W available (See XCE datasheet)
- · All outputs fully floating
- Extra low profile: 1U height (40mm)
- Ultra high efficiency, up to 90%
- · Plug & Play Power
 - allows fast custom configuration
 - allow easy logistics
- · Reduced system heat dissipation
- · Few electrolytic capacitors (all long life)
- Visual LED indicators
- Series / Parallel of multiple outputs
- 5V bias standby voltage provided
- · Individual output control signals

APPLICATIONS INCLUDE

- · Industrial machines
- · Test and measurement
- Automation equipment
- Printing
- Telecommunications
- For Medical applications see Xvite

The X_{cite} family of power supplies provides up to an incredible 1200W in an extremely compact 1U x 260 x 127mm package. Boasting industry leading power density of 15W/in³ and efficiencies of up to 90%, the X_{cite} family employs an innovative plug & play architecture that allows users to instantly configure a custom power solution in less than 5 minutes!

Ultra high efficiencies and high power density are made possible through the combination of low loss technologies and the best field-proven technologies in planar magnetics and surface mount electronics. Significantly increased efficiency reduces system thermal load by more than 50%.

The X_{cite} family consists of 4 *powerPac* models ranging in power levels from 400W to 1200W. Each model may be populated with up to 6 *powerMods* selected from the table of *powerMods* shown below.

All configurations carry full safety agency approvals, UL60950, EN60950 and are CE marked. For alternative power interfaces contact support@excelsys.com

powerMods

MODEL	Vmin	Vnom	Vmax	lmax	Watts
Xg1	1.5	2.5	3.6	50A	125W
Xg2	3.2	5.0	6.0	40A	200W
Xg3	6.0	12.0	15.0	20A	240W
Xg4	12.0	24.0	30.0	10A	240W
Xg5	28.0	48.0	58.0	6A	288W
Xg7	5.0	24.0	28.0	5A	120W
Xg8 V1 V2	5.0 5.0	24.0 24.0	28.0 28.0	3A 3A	72W 72W

powerPacs

	MODEL	Watts
Xcite	XCA	400W
	XCB	700W
	XCC	1000W
	XCD	1200W

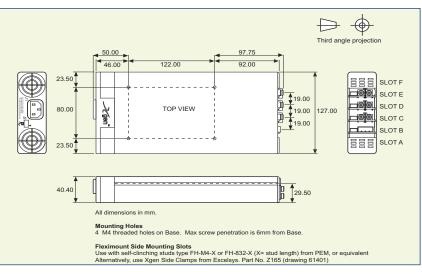
XCE 1340W See XCEdatasheet

EFFICIENCY (typical)

93 92 91 88 88 87 86 86 85 84 70 85 100 115 130 145 160 175 190 205 220 235 260 Line Voltage VAC

genseries

MECHANICAL SPECIFICATIONS



4

SPECIFICATION applies to configured units consisting of powerMods modules plugged into the appropriate powerPac

INPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage Range	Universal Input	85		264	VAC
	1	120		380	VDC
Input Frequency Range		47		63	Hz
Power Rating XCA				400	W
XCB				700	W
XCC	Derate linearly from 1000W at 100VAC to 850W at 85VAC			1000	W
XCD	Derate linearly from 1200W at 120VAC to 850W at 85VAC			1200	W
Input Current XCA	85VAC in 400W out		7.5		Α
XCB	85VAC in 700W out		9.5		Α
XCC, XCD	85VAC in 850W out		11.5		Α
Inrush Current	230VAC @ 25°C			25	Α
Undervoltage Lockout	Shutdown	65		74	VAC
Fusing XCA	250V		F8A HRC		
XCB	250V		F10A HRC		
XCC, XCD	250V		F12A HRC		
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
powerMod Power	As per <i>powerMod</i> table		Ttom	Max	Onno
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table Electronic: See Xgen Designers' Manual				
Minimum Load	Electronic. God Agon Beelghore Mandai		0		Α
Line Regulation	For ±10% change from nominal line			±0.1	%
Load & Cross Regulation	For 25% to 75% load change			±0.2	%
Transient Response	For 25% to 75% load change Voltage Deviation			10	%
	Settling Time			250	us
Ripple and Noise	20MHz Bandwidth			1.0	% pk-pk
Overvoltage Protection	1st level: Vset Tracking. 2nd level: Vmax (Latching)	110		125	%
Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom	110		120	%.
	See Designer's Manual for full details				
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot				2	%
Turn-on Delay	From AC In / Enable signal			600 / 30	ms
Rise Time	Monotonic			5	ms
Hold-up Time	For nominal output voltages at full load. XCA,XCB,XCC / XCD	20 / 15			ms
Output Isolation	Output to Output / Output to Chassis	500 / 500			VDC
GENERAL					
	Conditions/Description	Min	Nom	May	Unite
GENERAL Parameter	Conditions/Description	Min	Nom	Max	Units
Parameter	Input to Output	3000	Nom	Max	VAC
Parameter Isolation Voltage	Input to Output Input to Chassis			Max	VAC VAC
Parameter Isolation Voltage Efficiency	Input to Output Input to Chassis 230VAC, 1200W @ 24V	3000	Nom	Max	VAC
Parameter Isolation Voltage Efficiency Safety Agency Approvals	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875	3000			VAC VAC %
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C	3000		Max 1.5	VAC VAC
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet	3000 1500	90	1.5	VAC VAC %
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	3000		1.5	VAC VAC % mA
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	3000 1500	90	1.5	VAC VAC %
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	3000 1500	90	1.5 5.2 0.98	VAC VAC % mA VDC fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac	3000 1500	90	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	3000 1500	90	1.5 5.2 0.98	VAC VAC % mA VDC fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load See Designers' Manual. powerPac excludes fans Standard	3000 1500	90 5.0 Level	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load See Designers' Manual. powerPac excludes fans Standard EN55011, EN55022, FCC	3000 1500	5.0 Level Level B	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC	3000 1500	5.0 Level B Level B	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, Z5°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2	3000 1500	5.0 Level Level B Level B Compliant	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC	3000 1500	5.0 Level B Level B	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3	3000 1500	5.0 Level B Level B Compliant Compliant	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load See Designers' Manual. powerPac excludes fans Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2	3000 1500	5.0 Level B Level B Compliant Compliant Level 4	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3	3000 1500	5.0 Level B Level B Compliant Compliant Level 4 Level 3	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-3 EN61000-4-3 EN61000-4-4	3000 1500	5.0 Level B Level B Compliant Compliant Level 4 Level 3 Level 4	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	3000 1500	5.0 Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh Units
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-5 EN61000-4-6	3000 1500	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh Units
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	3000 1500	5.0 Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4	1.5 5.2 0.98	VAC VAC % mA VDC fpmh fpmh Units
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	3000 1500	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92	VAC VAC WAC WAC WAC WAC WAC WAC WAC WAC WAC W
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-5 EN61000-4-6	3000 1500 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4	1.5 5.2 0.98 0.92	VAC VAC WAC WAC WAC WAC WAC WAC WAC WAC WAC W
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	3000 1500 4.8 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92	VAC VAC VAC % mA VDC fpmh fpmh Units V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load See Designers' Manual. powerPac excludes fans Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description	3000 1500 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92	VAC VAC WAC WAC WAC WAC WAC WAC WAC WAC WAC W
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-1 (EN55024) Conditions/Description	3000 1500 4.8 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92 Max +70 +85	VAC VAC VAC % mA VDC fpmh fpmh Units V/m ms Units C C
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating Relative Humidity	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-2 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description 1.6% per °C above 40°C. See Designers Manual for full deratings Non-condensing	3000 1500 4.8 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92	VAC VAC VAC % mA VDC fpmh fpmh Units V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating	Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-1 (EN55024) Conditions/Description	3000 1500 4.8 4.8	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	1.5 5.2 0.98 0.92 Max +70 +85	VAC VAC VAC % mA VDC fpmh fpmh Units V/m ms Units C C

- **NOTES**
- 1. This product is not intended for use as a stand alone unit and must be installed by qualified personnel.
- 2. The specifications contained herein are believed to be correct at time of publication and are subject to change without notice.
- 3. All specifications at nominal input, full load, 25°C unless otherwise stated.

Doc. 40032 rev. 07 05/09



North America Excelsys Technologies 519 Interstate 30, #309 Rockwall, TX 75087 USA

t: (972) 771 4544 f: (972) 421 1805 e: salesusa@excelsys.com