

# **Low Acoustic Noise Power Supply**

Ultra-high efficiency 1U size

patents pending





## **FEATURES**

- Low Acoustic Noise 59dBA
- 1.5V to 58V standard output voltages
- · 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

- Audio Equipment
- · Test and measurement
- Telecommunications

**EFFICIENCY** (typical)

· For Medical applications, See Xzite





The Xqite family of low acoustic noise power supplies provides up to 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 Xqite family employs an innovative plug & play architecture that allows users to instantly configure a custom power solution in less than 5 minutes!

Ideal for acoustic sensitive applications such as audio applications, the Xqite family provides unmatched efficiency and high power density, made possible through the combination of low loss technologies and the best field-proven technologies in planar magnetics and surface mount electronics.

The Xqite family consists of 2 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

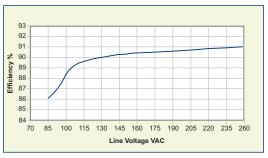
MODEL	Vmin	Vnom	Vmax	lmax	Watts
Xg1	1.5	2.5	3.6	50A	125W
Xg2	3.2	5.0	6.0	40A	200W
Xg3	6.0	12.0	15.0	20A	240W
Xg4	12.0	24.0	30.0	10A	240W
Xg5	28.0	48.0	58.0	6A	288W
Xg7	5.0	24.0	28.0	5A	120W
Xg8 V1		24.0 24.0	28.0 28.0	3A 3A	72W 72W

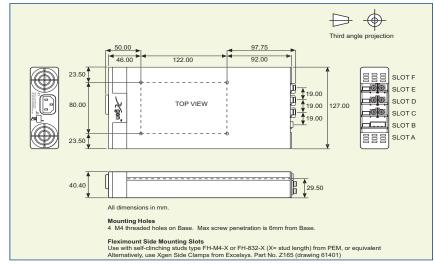
## powerPacs

	MODEL	Watts
υ	XQA	600W
git	XQB	900W
×	XQC	1200W

**MECHANICAL SPECIFICATIONS** 

Note: Please refer to the larger version of this diagram on page 42







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

INPUT	Conditions/Description	N/I in	Nom	Max	Linde
arameter	Conditions/Description	Min	Nom	Max	Units
nput Voltage Range	Universal Input	85		264	VAC
nput Frequency Range		120 47		380 63	VDC Hz
Power Rating XQA		41		400	W
XQB				900	VV
XQC	Derate linearly from 1200W at 120VAC to 850W at 85VAC			1200	W
Input Current XQA	85VAC in 400W out		7.5	1200	A
XQB	85VAC in 850W out		11.5		A
XQC	85VACin 1200W ouot		11.5		A
Inrush Current	230VAC @ 25°C			25	Α
Undervoltage Lockout	Shutdown	65		74	VAC
Fusing XQA	250V		F8A HRC		
XQB	250V		F12A HRC		
XQC	250V		F12A HRC		
OUTPUT					
	O and distance ID as a sinstinu		Name	11.00	11-14-
Parameter	Conditions/Description	Min	Nom	Max	Units
powerMod Power	As per powerMod table				
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table				
Minimum Lood	Electronic: See Xgen Designers' Manual		0		^
Minimum Load	For ±100/ change from naminal line		0	±0.1	A %
Line Regulation  Load & Cross Regulation	For ±10% change from nominal line For 25% to 75% load change			±0.1 ±0.2	%
Load & Cross Regulation Transient Response	For 25% to 75% load change For 25% to 75% load change Voltage Deviation			±0.2	%
manaiem nespunse	Settling Time			250	µs
Ripple and Noise	20MHz Bandwidth			1.0	μs % pk-pk
Overvoltage Protection	1st level: Vset Tracking. 2nd level: Vmax (Latching)	110		125	% pk-pk
Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom	110		120	%
	See Designer's Manual for full details	1.5			
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. XQA / XQB & XQC	20 / 15			ms
		500 / 500			VDC
Output Isolation	Output to Output / Output to Chassis	500 / 500			
•	Output to Output / Output to Chassis	500 / 500			
Output Isolation GENERAL Parameter			Nom	May	Units
GENERAL Parameter	Conditions/Description	Min	Nom	Max	Units
·	Conditions/Description Input to Output	Min 3000	Nom	Max	VAC
GENERAL Parameter Isolation Voltage	Conditions/Description Input to Output Input to Chassis	Min		Max	VAC VAC
GENERAL Parameter Isolation Voltage Efficiency	Conditions/Description Input to Output Input to Chassis 230VAC, 1200W @ 24V	Min 3000	Nom	Max	VAC
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals	Conditions/Description  Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875	Min 3000			VAC VAC %
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Conditions/Description Input to Output Input to Chassis 230VAC, 1200W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C	Min 3000		Max 1.5	VAC VAC
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	Conditions/Description 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 Designer's Manual for full details	Min 3000 1500	90	1.5	VAC VAC %
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Conditions/Description 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 Designer's Manual for full details Always ON. Current 250mA	Min 3000		1.5	VAC VAC % mA
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Conditions/Description 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 Designer's Manual for full details	Min 3000 1500	90	1.5	VAC VAC %
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Conditions/Description 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 Designer's Manual for full details Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	Min 3000 1500	90	1.5 5.2 0.98	VAC VAC % mA VDC fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC	Conditions/Description  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 Designer's Manual for full details Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans powerPac	Min 3000 1500	90	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter	Conditions/Description 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 Designer's Manual for full details Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	Min 3000 1500	90	1.5 5.2 0.98	VAC VAC % mA VDC fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions	Conditions/Description 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 Designer's Manual for full details Always ON. Current 250mA Failures per million hours at 25°C and full load See Designers' Manual. powerPac excludes fans  Standard	Min 3000 1500	90 5.0	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted	Conditions/Description  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 Designer's Manual for full details  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	Min 3000 1500	5.0 Level	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated	Conditions/Description  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 Designer's Manual for full details  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	Min 3000 1500	5.0  Level B Level B	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion	Conditions/Description  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 Designer's Manual for full details  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	Min 3000 1500	5.0  Level B Level B Compliant	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Conditions/Description  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 Designer's Manual for full details  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	Min 3000 1500	5.0  Level B Level B	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage  Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Conditions/Description  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 Designer's Manual for full details 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	Min 3000 1500	5.0  Level B Level B Compliant	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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	Min 3000 1500	5.0  Level B Level B Compliant Compliant	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL 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	Conditions/Description  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 Designer's Manual for full details 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	Min 3000 1500	5.0  Level B Level B Compliant Compliant	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-2 EN61000-4-3	Min 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
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-4	Min 3000 1500	Level B Level B Compliant Compliant Level 4 Level 3 Level 4	1.5 5.2 0.98	VAC VAC %  mA  VDC fpmh fpmh
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation mmunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI	Conditions/Description  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 Designer's Manual for full details  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	Min 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
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-5 EN61000-4-6	Min 3000 1500	Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4	1.5 5.2 0.98	VAC VAC WAC WAC WAC WAC WAC WAC WAC WAC WAC W
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-11 (EN55024)	Min 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
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-5 EN61000-4-6	Min 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 VAC %  mA  VDC fpmh fpmh  Units  V/m ms
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-11 (EN55024)	Min 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 VAC %  mA  VDC fpmh fpmh  Units  V/m ms
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation mmunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature	Conditions/Description  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 Designer's Manual for full details  Always ON. Current 250mA  Failures per million hours at 25°C and full load powerMod See Designers' Manual. powerPac excludes fans  Standard  EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)  Conditions/Description	Min 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 VAC %  mA  VDC fpmh fpmh  Units  V/m ms
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)  Conditions/Description	Min 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 VAC %  mA  VDC fpmh fpmh  Units  V/m ms
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)  Conditions/Description  See Xgen Designers Manual deratings (Section 12, pages 37-38)	Min 3000 1500 4.8 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
GENERAL 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	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-2 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)  Conditions/Description  See Xgen Designers Manual deratings (Section 12, pages 37-38) Non-condensing	Min 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 VAC %  mA  VDC fpmh fpmh  Units  V/m ms  Units  *C *C **RH
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation mmunity Electrostatic Discharge Radiated RFI Fast Transients - burst nput Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating	Conditions/Description  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 Designer's Manual for full details  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 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)  Conditions/Description  See Xgen Designers Manual deratings (Section 12, pages 37-38)	Min 3000 1500 4.8 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.
- 4. See Xgen Designers Manual for detailed power ratings.
- 5. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.
- 6. Conformal Coating Option: Consult factory for detals.

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