

Hi-Temp Power Supply

Ultra-high efficiency 1U size

patents pending





PLUG & PLAY POWER next generation power source

FEATURES

- NEW Conformal Coating Option (note 5)
- -20°C to +70°C operating ambient temp
- · 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 maintenance 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 equipment
- Telecommunications
- Outdoor display systems

The Xhite family of high temperature power supplies provides up to 600W in an extremely compact 1U x 260 x 127mm package. Designed as a configurable power supply, the Xhite family employs the innovative plug and play architecture that allows users to instantly configure a custom power solution in less than 5 minutes.

The Xhite family is ideal for use in harsh environments where there can be high ambient temperatures and wide temperature fluctuations. Operation at higher temperatures is made possible through employment of leading edge technologies and cooling techniques, making it possible for the Xhite to achieve unprecedented efficiencies of up to 90%.

The Xhite family consists of 2 powerPac models ranging in power levels from 400W to 600W. 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

MOD	EL	Vmin	Vnom	Vmax	lmax	Watts
Xg1		1.5	2.5	3.6	25A	65W
Xg2		3.2	5.0	6.0	20A	100W
Xg3		6.0	12.0	15.0	10A	120W
Xg4		12.0	24.0	30.0	5A	120W
Xg5		28.0	48.0	58.0	ЗА	144W
Xg7		5.0	24.0	28.0	2.5A	60W
Xg8	V1 V2	5.0 5.0	24.0 24.0	28.0 28.0	1.5A 1.5A	36W 36W

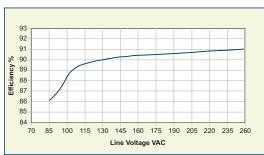
powerPacs

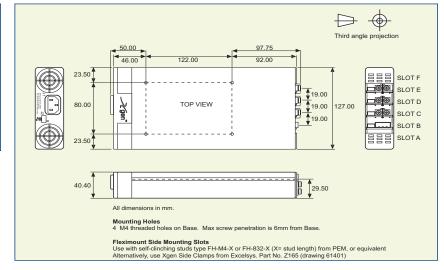
	MODEL	Watts
ite	XHA	400W
X	ХНВ	600W

Fit Power Limited

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

EFFICIENCY (typical)





中国区总代理:上海佳舍珀电子科技有限公司



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

INPUT Parameter	Conditions/Description	Min	Nom	May	I Inito
	Conditions/Description	Min	Nom	Max	Units
nput Voltage Range	Universal Input	85		264	VAC
4 F D		120 47		380	VDC
nput Frequency Range		47		63	Hz
Power Rating XHA	Derete linearly from 600M at 120Mas to 125M at 25Mas			400	W
XHB	Derate linearly from 600W at 120Vac to 425W at 85Vac 85VAC in 400W out		6.5	600	A
Input Current XHA					
XHB	85VAC in 425W out		7.5		Α
Inrush Current	230VAC @ 25°C			25	Α
Undervoltage Lockout	Shutdown	65		74	VAC
	250V	00	F10A HRC	74	VAC
Fusing XHA XHB	250V 250V		F10A HRC		
VUP	250V		FIZATIKO		
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
powerMod Power	As per <i>powerMod</i> table	10000	Nom	Mux	Onno
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table				
Output Aujustillerit Kange	Electronic: See Xgen Designers' Manual				
Minimum Load	Licotronio. Oce Agen Designers Manual		0		Α
Line Regulation	For ±10% change from nominal line		0	±0.1	%
Line Regulation Load & Cross Regulation	For 25% to 75% load change			±0.1 ±0.2	%
Transient Response	For 25% to 75% load change Voltage Deviation			±0.2	%
manaiem Neaponae	Settling Time			250	µs
Ripple and Noise	20MHz Bandwidth			1.0	μs % pk-pl
Overvoltage Protection	1st level: Vset Tracking. 2nd level: Vmax (Latching)	110		125	% pk-pr
Overvoitage Protection Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom	110		120	%
Overcuirent i rotection	See Designer's Manual for full details	110		120	/0
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot	wax. line drop compensation. (except Agr, Ago)			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.	20		3	ms
Output Isolation	Output to Output / Output to Chassis	500 / 500			VDC
	Output to Output 1 Output to Oliussis	3007 300			VDO
•					
GENERAL					
•	Conditions/Description	Min	Nom	Max	Units
GENERAL Parameter	·	Min 3000	Nom	Max	Units
GENERAL	Conditions/Description Input to Output Input to Chassis		Nom	Max	
GENERAL Parameter Isolation Voltage	Input to Output	3000	Nom	Max	VAC
GENERAL Parameter Isolation Voltage	Input to Output Input to Chassis	3000		Max	VAC VAC
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals	Input to Output Input to Chassis 230VAC, 900W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875	3000		Max 1.5	VAC VAC
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Input to Output Input to Chassis 230VAC, 900W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C	3000			VAC VAC %
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	Input to Output Input to Chassis 230VAC, 900W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet	3000			VAC VAC %
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Input to Output Input to Chassis 230VAC, 900W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C	3000 1500	90	1.5	VAC VAC %
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Input to Output Input to Chassis 230VAC, 900W @ 24V EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	3000 1500	90	1.5	VAC VAC % mA
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Input to Output Input to Chassis 230VAC, 900W @ 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
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC	Input to Output Input to Chassis 230VAC, 900W @ 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
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter	Input to Output Input to Chassis 230VAC, 900W @ 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
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions	Input to Output Input to Chassis 230VAC, 900W @ 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
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted	Input to Output Input to Chassis 230VAC, 900W @ 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	3000 1500	5.0 Level 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	Input to Output Input to Chassis 230VAC, 900W @ 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
GENERAL 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, 900W @ 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	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	Input to Output Input to Chassis 230VAC, 900W @ 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 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	Input to Output Input to Chassis 230VAC, 900W @ 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 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
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 to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-4	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
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	Input to Output Input to Chassis 230VAC, 900W @ 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-5 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-5 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-6 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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)	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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)	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 % 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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description Full Load	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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-3-2 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description Full Load None	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
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	Input to Output Input to Chassis 230VAC, 900W @ 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 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description Full Load	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

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. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.

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