Slimline Medically Approved Power Supply 200W/400W/600W



Medical Power Supply

User Configurable 1U size

PLUG & PLAY POWER next generation power source

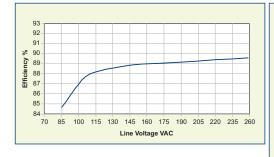
FEATURES

- EN60601-1 and UL2601-1 approved
- · Less than 300µA leakage current
- 4000VAC isolation
- Slimmest 600W configurable power
- Extra low profile: 1U height (40mm)
- Ultra high efficiency, up to 89%
- Plug & Play Power
- allows fast custom configuration allow easy logistics
- FLEXIMOUNT Flexible mounting system
- Few electrolytic capacitors (all long life)
- Series / Parallel of multiple outputs
- 5V bias standby voltage provided
- · Individual output control signals

APPLICATIONS INCLUDE

- Radiological imaging
- Clinical diagnostics
- Medical lasers
- Clinical chemistry
- · For non-medical applications see Xlite

EFFICIENCY (typical)







The X_{mite} family of medically approved power supplies provides up to 600W in a slimline 1U x 260 x 89mm package. The X_{mite} family carries full safety agency approvals to EN60601-1 and UL2601-1, meeting the stringent creepage requirements in this compact package. Providing up to 8 isolated outputs, the X_{mite} family is the most flexible power supply in its class and brings affordable configurable power to the 200-600W medical market.

The Xmite family consists of 3 *powerPac* models in 200W, 400W and 600W power levels. Each *powerPac* model may be populated with up to 4 *powerMods* selected from the table of *powerMods* shown below. Simply select your appropriate *powerPac* and *powerMods* to get your instant custom power solution.

This slimline product boasts unrivalled power density, providing significant system space savings. Combined with ultra-high efficiencies, the X_{mite} family provides system designers with flexible instant solutions that significantly shorten system design-in time. For alternative power interfaces contact support@excelsys.com

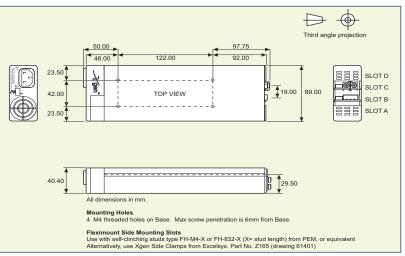
powerMods

MODEL	Vmin	Vnom	Vmax	Imax	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
Ð	XMA	200W
mit	XMB	400W
\times	XMC	600W

MECHANICAL SPECIFICATIONS



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

INPUT Parameter	Conditions/Description	Min	Nom	Max	Units
		85	Nom	264	
Input Voltage Range	Universal Input	120		264 380	VAC VDC
Input Frequency Range		47		63	Hz
Power Rating XMA		47		200	W
XMB				400	Ŵ
XMC	Derate linearly from 600W at 180VAC to 400W at 85VAC			600	Ŵ
Input Current XMA	85VAC in 200W out		4.0		A
XMB	85VAC in 400W out		6.0		A
XMC	85VAC in 400W out		7.5		A
Inrush Current	230VAC @ 25°C			50	Α
Undervoltage Lockout	Shutdown	65		74	VAC
Fusing XMA	250V 5 x 20mm		F5A HRC		
XMB	250V 5 x 20mm		F6.3A HRC		
XMC	250V 5 x 20mm		F8A HRC		
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Unit
powerMod Power	As per <i>powerMod</i> table				
Output Adjustment Range	Manual: Multi-turn potentiometer. As per <i>powerMod</i> table Electronic: See Xgen Designers' Manual				
Minimum Load	<u> </u>		0		Α
Line Regulation	For ±10% change from nominal line			±0.1	%
Load Regulation	For 25% to 75% load change			±0.2	%
Cross Regulation				±0.2	%
Transient Response	For 25% to 75% load change Voltage Deviation			10	%
	Settling Time			250	μs
Ripple and Noise	20MHz Bandwidth			1.0	% pł
Overvoltage Protection	1st level: Vset Tracking. 2nd level: Vmax (Latching)	110		125	%
Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom See Designer's Manual for full details	110		120	%
Remote Sense Overshoot	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC %
Turn-on Delay	From AC In / Enable signal			300 / 30	ms
B: T:	Manual and a second s			5	ms
Rise Time	Monotonic				
Hold-up Time	For nominal output voltages at full load	20			ms
		20 500 / 500			ms VDC
Hold-up Time	For nominal output voltages at full load				
Hold-up Time Output Isolation	For nominal output voltages at full load		Nom	Max	VDC
Hold-up Time Output Isolation GENERAL	For nominal output voltages at full load Output to Output / Output to Chassis	500 / 500	Nom	Max	VDC
Hold-up Time Output Isolation GENERAL Parameter	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description	500 / 500 Min	Nom	Max	VDC Units
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output	500 / 500 Min 4000	Nom 89	Max	VDC Units VAC
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis	500 / 500 Min 4000		Max	VDC Units VAC VAC
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V	500 / 500 Min 4000		Max 300	VDC Units VAC VAC
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet	500 / 500 Min 4000 1500		300	VDC Units VAC VAC %
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	500 / 500 Min 4000		300	VDC Units VAC VAC %
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	500 / 500 Min 4000 1500	89	300 5.1 1.0	VDC Units VAC VAC % uA VDC fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	500 / 500 Min 4000 1500	89	300	VDC Units VAC VAC % A VDC fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	500 / 500 Min 4000 1500	89	300 5.1 1.0	VDC Units VAC VAC %
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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	500 / 500 Min 4000 1500	89 5.0	300 5.1 1.0	VDC Units VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA Failures per million hours at 25°C and full load powerMod	500 / 500 Min 4000 1500	89	300 5.1 1.0	VDC Units VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard	500 / 500 Min 4000 1500	89 5.0 Level	300 5.1 1.0	VDC Units VAC VAC % A VDC fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted	For nominal output voltages at full load Output to Output Output to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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	500 / 500 Min 4000 1500	89 5.0 Level Level B	300 5.1 1.0	VDC Unit: VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B	300 5.1 1.0	VDC Units VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B Level B	300 5.1 1.0	VDC Unit: VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B	300 5.1 1.0	VDC Unit VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B Level B	300 5.1 1.0	VDC Unit: VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3	500 / 500 Min 4000 1500	89 5.0 Level B Level B Compliant Compliant	300 5.1 1.0	VDC Unit: VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-4	500 / 500 Min 4000 1500	89 5.0 Level B Level B Compliant Compliant Level 4	300 5.1 1.0	VDC Unit VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 Class 4	300 5.1 1.0	VDC Unit VAC VAC % Unit Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	500 / 500 Min 4000 1500	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10	300 5.1 1.0	VDC Unit VAC VAC % μΑ VDC fpmh fpmh
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	500 / 500 Min 4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 Class 4	300 5.1 1.0	VDC Unit VAC VAC % Unit Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	500 / 500 Min 4000 1500	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10	300 5.1 1.0	VDC Unit VAC VAC % Unit Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	500 / 500 Min 4000 1500 4.9 4.9	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 10 10	300 5.1 1.0 0.5	VDC Unit VAC VAC % Unit Unit VDC fpmh fpmh Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 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 Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	500 / 500 Min 4000 1500 4.9 4.9 4.9 	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10	300 5.1 1.0 0.5	VDC Unit VAC VAC % Unit Unit VDC fpmh fpmh Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output / Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	500 / 500 Min 4000 1500 4.9 4.9 4.9 4.9 Min -20	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 10 10	300 5.1 1.0 0.5	VDC Units VAC VAC VAC VAC fpmh fpmh Units V/m ws
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)	500 / 500 Min 4000 1500 4.9 4.9 4.9 	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 10 10	300 5.1 1.0 0.5	VDC Unit VAC VAC % Unit Unit VDC fpmh fpmh Unit
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	500 / 500 Min 4000 1500 4.9 4.9 4.9 4.9 Min -20 -40	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 10 10	300 5.1 1.0 0.5 	VDC Unit VAC VAC VAC VAC VDC fpmt fpmt fpmt fpmt v/m ms V/m ms Unit C °C
Hold-up Time Output Isolation 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	For nominal output voltages at full load Output to Output Output to Chassis Conditions/Description Input to Output Input to Chassis 230VAC, 400W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 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 EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024)	500 / 500 Min 4000 1500 4.9 4.9 4.9 4.9 Min -20	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 10 10	300 5.1 1.0 0.5	VDC Unit VAC VAC VAC VAC VAC VAC fpmh fpmh Unit V/m ms Unit C

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.



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