





PLUG & PLAY POWER next generation power solution

FEATURES & OPTIONS

- EN60601-1 3rd edition approved
- Less than 300µA leakage current
- 150µA option available
- 4000VAC isolation
- Ultra high efficiency, up to 89%
- Extra low profile: 1U height (40mm)
- Plug & Play Power allows fast custom configuration
- · Individual output control signals
- · All outputs fully floating
- Series / Parallel of multiple outputs
- · Few electrolytic capacitors (all long life)
- 5V bias standby voltage provided
- Standard Xgen product options include: Conformal Coating, Low Acoustic Noise, Low Leakage Current, Extra Ruggedisation, Connector, Cabling & Mounting options, Thermal Signals and Reverse Fans. See Section 4.10 for more information

APPLICATIONS INCLUDE

- · Radiological imaging
- · Clinical diagnostics
- Medical lasers
- · Clinical chemistry

The XM family of medically approved power supplies provides up to 750W in a slimline 1U package. The XM family carries the latest safety agency approvals to EN60601-1 and UL60601-1 3rd Edition, meeting the stringent creepage and clearance requirements in this compact package. Providing up to 8 isolated outputs, the XM family is the most flexible power supply in its class and brings affordable configurable power to the 200-750W medical market.

The XM family consists of 4 *powerPac* models in 200W, 400W, 600W and 750W 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 XM family provides system designers with flexible instant solutions that significantly shorten system design-in time.

powerMods

MODEL	Vr	nin	Vnom	Vmax	lmax	Watts
	Vtrim	Vpot				
Xg1	1.0	1.5	2.5	3.6	50A	125W
Xg2	1.5	3.2	5.0	6.0	40A	200W
Xg3	4.0	6.0	12.0	15.0	20A	240W
Xg4	8.0	12.0	24.0	30.0	10A	240W
Xg5	8.0	28	48.0	58.0	6A	288W
Xg7		5.0	24.0	28.0	5A	120W
Xg8 v1		5.0	24.0	28.0	ЗА	72W
V2		5.0	24.0	28.0	3A	72W

powerPacs

	MODEL	Watts
XM	XMA	200W
	XMB	400W
	XMC	600W
	XMD	750W

MECHANICAL SPECIFICATIONS

Third angle projection

97.75

92.00

40.00

122.00

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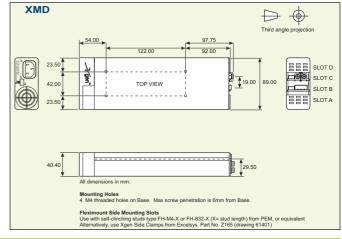
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Note: See diagrams on pages 34-37





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

INPUT	Conditions/Description	Mire	Nom	Mov	Haita
Parameter nput Voltage Range	Conditions/Description Universal Input 47-440Hz	Min 85	Nom	Max 264	Units VAC
iiput voitage Range	Offiversal Input 47-440HZ	120		380	VDC
Power Rating	XMA:200W, XMB:400W, XMC:600W, XMD:750W	120		300	VDC
g	See Section 4.11 for line voltage deratings				
nput Current XMA	85VAC in 200W out		4.0		Α
XMB	85VAC in 400W out		6.0		Α
XMC	85VAC in 400W out		7.5		Α
XMD	85VAC in 525W out		7.5		Α
nrush Current	230VAC, 25°C			50	Α
Jndervoltage Lockout	Shutdown	65		74	VAC
Fusing XMA	250V 5 x 20mm		F5A HRC		
XMB	250V 5 x 20mm		F6.3A HRC		
XMC, XMD	250V 5 x 20mm		F8A HRC		
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
powerMod Power	As per powerMod table				
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table				
	Electronic: See Section 4.6				
Minimum Load			0		Α
ine Regulation	For ±10% change from nominal line			±0.1	%
oad 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 100mV or 1.0% pk-pk	1			-
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	%
3	See Section 4.6			0.5	1/50
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot	From AC in and Clobal Froble / v			2	%
Turn-on Delay	From AC in and Global Enable / powerMod Enable XMA, XMB, XMC			700 / 6	ms
Rise Time	From AC in and Global Enable / powerMod Enable XMD Monotonic			1000 / 6 5	ms
Hold-up Time	For nominal output voltages at full load XMA,XMB, XMC/XMD	20/15		3	ms ms
Output Isolation	Output to Output / Output to Chassis	500 / 500			VDC
					100
	output to output / output to oridoolo				
GENERAL					
GENERAL Parameter	Conditions/Description	Min	Nom	Max	Units
GENERAL Parameter	Conditions/Description Input to Output	4000	Nom	Max	VAC
GENERAL Parameter solation Voltage	Conditions/Description Input to Output Input to Chassis			Max	VAC VAC
GENERAL Parameter solation Voltage Efficiency	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V	4000	Nom	Max	VAC
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761	4000			VAC VAC %
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C	4000		300	VAC VAC %
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04	4000			VAC VAC %
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9	4000 1500	89	300 150	VAC VAC % µA µA
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available	4000		300 150 5.2	VAC VAC % μA μA
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod	4000 1500	89	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available	4000 1500	89	300 150 5.2	VAC VAC % µA µA
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac	4000 1500	5.0	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod	4000 1500	89	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard	4000 1500	5.0 Level	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC	4000 1500	5.0 Level Level B	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC	4000 1500	5.0 Level B Level B	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A	4000 1500	5.0 Level Level B Level B Compliant	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC	4000 1500	5.0 Level B Level B	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-3-3	4000 1500	Level B Level B Compliant Compliant	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Glias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Emmunity Electrostatic Discharge	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2	4000 1500	Level B Level B Compliant Compliant Level 2	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Sias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Elicker & Fluctuation Emmunity Electrostatic Discharge Radiated Immunity	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-4	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Gafety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Emmunity Fast Transients-Burst Input Line Surges	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst nput Line Surges Conducted Immunity	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-6	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst nput Line Surges Conducted Immunity	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3	300 150 5.2 0.958	VAC VAC % μA μA VDC fpmh fpmh
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	300 150 5.2 0.958 0.92	VAC VAC % μA μA VDC fpmh fpmh Units
GENERAL Parameter solation Voltage Efficiency Gafety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Foliation Immunity Foliatio	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-6	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3	300 150 5.2 0.958 0.92	VAC VAC VAC % μA μA VDC fpmh fpmh Units
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips Parameter Operating Temperature	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11	4.8 4.8 Min -20	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	300 150 5.2 0.958 0.92	VAC VAC VAC % μA μA VDC fpmh fpmh Units Units °C
GENERAL Parameter solation Voltage Efficiency Gafety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Foliated	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 Conditions/Description	4000 1500	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	300 150 5.2 0.958 0.92	VAC VAC VAC % μA μA VDC fpmh fpmh Units
GENERAL Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips Parameter Operating Temperature Storage Temperature Derating	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings	4.8 4.8 Min -20 -40	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	300 150 5.2 0.958 0.92 Max +70 +85	VAC VAC VAC % μA μA VDC fpmh fpmh Units °C °C
GENERAL Parameter solation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst nput Line Surges Conducted Immunity Voltage Dips Parameter Operating Temperature Storage Temperature	Conditions/Description Input to Output Input to Chassis 230VAC, 750W @ 24V EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761 250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 Conditions/Description	4.8 4.8 Min -20	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	300 150 5.2 0.958 0.92	VAC VAC VAC % μA μA VDC fpmh fpmh Units Units °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. XMD: 800W peak for 1s; Duty cycle 7%. powerMod output power must not exceed normal ratings.
- 5. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.
- 6. For section references above go to the Xgen Designers Manual.

