200W-600W



Medical Power Supply

Low Acoustic Noise 1U size

patents pending



PLUG & PLAY POWER next generation power source

FEATURES

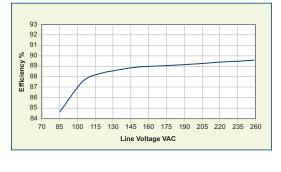
- Low Acoustic Noise 54dBA
- EN60601-1 and UL2601-1 approved
- EN60601-1 3rd Edition Q4 2011
- Less than 600µA leakage current
- 4000VAC isolation
- Slimmest 600W configurable power
- Extra low profile: 1U height (40mm)
- Ultra high efficiency, up to 89%
- Plug & Play Power
- allows fast custom configurationallow easy logistics
- 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 Xkite

EFFICIENCY (typical)



genseries

The Xrite family of low acoustic noise medically approved power supplies provides up to 600W in a slimline 1U x 260 x 89mm package. Ideal for acoustoc sensitive medical equipment, the Xrite 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 Xrite family is the most flexible power supply in its class and brings affordable configurable power to the 200-600W medical market.

The Xrite 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 Xrite family provides system designers with flexible instant solutions that significantly shorten system design-in time. For alternative power interfaces contact support@excelsys.com

powerMods

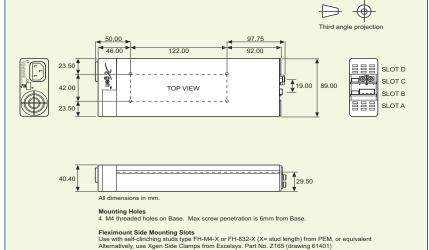
pone						
MODEL		Vmin	Vnom	Vmax	Imax	Watts
Xg1		1.5	2.5	3.6	50A	125W
Xg2		3.2	5.0	6.0	40A	200W
Xg3		6.0	12.0	15.0	20A	240W
Xg4		12.0	24.0	30.0	10A	240W
Xg5		28.0	48.0	58.0	6A	288W
Xg7		5.0	24.0	28.0	5A	120W
Xg8	V1 V2	5.0 5.0	24.0 24.0	28.0 28.0	3A 3A	72W 72W

powerPacs

pomen	405	
	MODEL	Watts
(I)	XRA	200W
Crite	XRB	400W
×	XRC	600W

MECHANICAL SPECIFICATIONS





www.excelsys.com

中国区总代理:上海佳舍珀电子科技有限公司

excelsys 电话:021-50349737|手机:13764303579|电子邮件:roman.xiao@fitpower.cn|www.fitpower.cn

Fit Power Limited

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

INPUT	Conditiona/Decerintien	Min	News	Man	1 Junit from
Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage Range	Universal Input	85		264	VAC
		120		380	VDC
Input Frequency Range		47		63	Hz
Power Rating XRA				200	W
XRB				400	W
XRC				600	W
Input Current XRA	85VAC in 200W out		4.5		Α
XRB	85VAC in 400W out		5.5		A
XRC	85VAC in 600W out		7.5		A
Inrush Current			7.5	50	A
	230VAC @ 25°C				
Undervoltage Lockout	Shutdown	65		74	VAC
Fusing XRA	250V 5 x 20mm		F5A HRC		
XRB	250V 5 x 20mm		F6.3A HRC		
XRC	250V 5 x 20mm		F8A HRC		
OUTPUT					
	Conditions/Description	Min	Norm	Mox	Unite
Parameter	Conditions/Description	Min			
powerMod Power	As per <i>powerMod</i> table				
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table				
	Electronic: See Xgen Designers' Manual				
Minimum Load			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			±0.2 10	%
manalent response					
D ¹	Settling Time			250	μs
Ripple and Noise	20MHz Bandwidth			1.0	% pk-pk
Overvoltage Protection	1st level: Vset Tracking. 2nd level: Vmax (Latching)	110		125	%
Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom	110		120	%
	See Designer's Manual for full details				
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot				2	%
Turn-on Delay	From AC In / Enable signal			600 / 30	ms
Rise Time	Monotonic			5	ms
Hold-up Time	For nominal output voltages at full load	20		5	
					ms
Output Isolation	Output to Output / Output to Chassis	500 / 500			VDC
GENERAL					
GENERAL Parameter	Conditions/Description	Min	Nom	Max	Unite
Parameter	Conditions/Description	Min	Nom	Мах	Units
Parameter	Input to Output	4000	Nom	Max	VAC
Parameter Isolation Voltage	Input to Output Input to Chassis			Мах	VAC VAC
Parameter Isolation Voltage Efficiency	Input to Output Input to Chassis 230VAC, 600W @ 24V	4000	Nom 89	Max	VAC
Parameter Isolation Voltage	Input to Output Input to Chassis 230VAC, 600W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761	4000		Max	VAC VAC
Parameter Isolation Voltage Efficiency Safety Agency Approvals	Input to Output Input to Chassis 230VAC, 600W @ 24V	4000		Max 600	VAC VAC
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current	Input to Output Input to Chassis 230VAC, 600W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761	4000			VAC VAC %
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals	Input to Output Input to Chassis 230VAC, 600W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 250VAC, 60Hz, 25°C See Xgen Series datasheet	4000 1500	89	600	VAC VAC % µA
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Input to Output Input to Chassis 230VAC, 600W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	4000		600	VAC VAC % µA VDC
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89	600 5.2 0.98	VAC VAC % μΑ VDC fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Input to Output Input to Chassis 230VAC, 600W @ 24V EN60601-1, UL2601-1, CSA601-1 UL File No. E230761 250VAC, 60Hz, 25°C See Xgen Series datasheet Always ON. Current 250mA	4000 1500	89	600	VAC VAC % µA VDC
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89	600 5.2 0.98	VAC VAC % μΑ VDC fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89 5.0	600 5.2 0.98	VAC VAC % μΑ VDC fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89 5.0 Level	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted	Input to Output Input to Chassis 230VAC, 600W @ 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	4000 1500	89 5.0 Level	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC	4000 1500	89 5.0 Level Level B Level B	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2	4000 1500	89 5.0 Level Level B Level B Compliant	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC	4000 1500	89 5.0 Level Level B Level B	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2	4000 1500	89 5.0 Level Level B Level B Compliant	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2	4000 1500	89 5.0 Level Level B Level B Compliant	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge	Input to Output Input to Chassis 230VAC, 600W @ 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 powerMod See Designers' Manual. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3	4000 1500	89 5.0 Level Level B Level B Compliant Compliant	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 3	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-4	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 3 Level 4	600 5.2 0.98	VAC VAC % µA VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Level 4 Class 4	600 5.2 0.98	VAC VAC WAC VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI	Input to Output Input to Chassis 230VAC, 600W @ 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 Standard EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 Level 4 10	600 5.2 0.98	VAC VAC % Units VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-5	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Level 4 Class 4	600 5.2 0.98	VAC VAC WAC VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips	Input to Output Input to Chassis 230VAC, 600W @ 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 Standard EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	4000 1500	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 Level 4 10	600 5.2 0.98	VAC VAC % Units VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL	Input to Output Input to Chassis 230VAC, 600W @ 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 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	4000 1500 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC WAC VDC fpmh fpmh Units VDC fpmh fpmh
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter	Input to Output Input to Chassis 230VAC, 600W @ 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 Standard EN55011, EN55022, FCC EN61000-3-2 EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6	4000 1500 4.8 4.8	89 5.0 Level Level B Level B Compliant Compliant Level 4 Level 4 Level 4 Level 4 Level 4 10	600 5.2 0.98 0.92	VAC VAC VAC VDC fpmh fpmh Units V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature	Input to Output Input to Chassis 230VAC, 600W @ 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 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	4000 1500 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC % Units Units
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature	Input to Output Input to Chassis 230VAC, 600W @ 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 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	4000 1500 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC VAC VDC fpmh fpmh Units VIN V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature	Input to Output Input to Chassis 230VAC, 600W @ 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 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 (EN55024)	4000 1500 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC % Units VDC fpmh fpmh Units V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description See Designers Manual for full deratings	4000 1500 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC % Units VDC fpmh fpmh Units V/m ms
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-3 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description See Designers Manual for full deratings (Section 12, pages 37-38)	4000 1500 4.8 4.8 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC VAC % Units Units VDC fpmh fpmh fpmh Units V/m ms V/m ms Units °C °C
Parameter Isolation Voltage Efficiency Safety Agency Approvals Leakage Current Signals Bias Supply Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker and Fluctuation Immunity Electrostatic Discharge Radiated RFI Fast Transients - burst Input Line Surges Conducted RFI Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature Derating Relative Humidity	Input to Output Input to Chassis 230VAC, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-6 EN61000-4-6 EN61000-4-7 EN610000-4-7 EN61000-4-7 EN6	4000 1500 4.8 4.8	89 5.0 Level Level B Level B Compliant Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10 Nom	600 5.2 0.98 0.92	VAC VAC VAC % Units Units VDC fpmh fpmh fpmh VDC fpmh fpmh fpmh vVm ms V/m ms V/m ms V/m ms V/m S V/m S V/m S VDC S S S S S S S S S S S S S S S S S S S
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, 600W @ 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 EN55011, EN55022, FCC EN61000-3-2 EN61000-3-2 EN61000-4-2 EN61000-4-3 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-6 EN61000-4-11 (EN55024) Conditions/Description See Designers Manual for full deratings (Section 12, pages 37-38)	4000 1500 4.8 4.8 4.8 4.8	89 5.0 Level B Level B Level B Compliant Compliant Level 4 Level 3 Level 4 Class 4 10 10	600 5.2 0.98 0.92	VAC VAC VAC % Units Units VDC fpmh fpmh fpmh Units V/m ms 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. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.

5. Conformal Coating Option: Consult factory for detals.

Xrite rev 09 10/10

Fit P200W-600W-d

