





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	Vmin		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	3A	72W	
V2		5.0	24.0	28.0	3A	72W	

powerPacs

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

MECHANICAL SPECIFICATIONS

Third angle projection

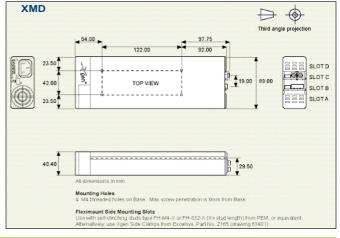
23.50

All dimensions in mm.

Mounting Holes
4 M4 threaded holes on Base. Max screw penetration is 6mm from Base.

Fleximount Side Mounting Stots
Use with self-dimensions glots
Use with self-dimensions by PH-M4-X or FH-83-X-X (XE stud length) from PEM, or equivalent Alternatively, use Sept Side Clamps from Ecolisies Part No. 2165 (d'awing 61401)

Note: See diagrams on pages 34-37





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

INPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage Range	85		264	VAC	
	VALL COOK VALD ACOM VALO COOK VALD TECH	120		380	VDC
Power Rating	XMA:200W, XMB:400W, XMC:600W, XMD:750W				
Input Current XMA	See Section 4.11 for line voltage deratings 85VAC in 200W out		4.0		Α
XMB	85VAC in 400W out		6.0		A
XMC	85VAC in 400W out		7.5		A
XMD	85VAC in 525W 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, 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
Line Regulation	For ±10% change from nominal line			±0.1	%
Load Regulation	For 25% to 75% load change			±0.2	%
Cross Regulation	For 25% to 75% load shange Valtage Deviction			±0.2	%
Transient Response	For 25% to 75% load change Voltage Deviation Settling Time			10 250	% µs
Ripple and Noise	20MHz 100mV or 1.0% pk-pk			230	μδ
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 Section 4.6				
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot				2	%
Turn-on Delay	From AC in and Global Enable / powerMod Enable XMA, XMB, XMC			700 / 6	ms
D: T:	From AC in and Global Enable / powerMod Enable XMD			1000 / 6	ms
Rise Time	Monotonic For paginal output valtages at full lead YMA YMB, YMC/YMD	20/15		5	ms
Hold-up Time Output Isolation	For nominal output voltages at full load XMA,XMB, XMC/XMD Output to Output / Output to Chassis	500 / 500			ms VDC
	Output to Output / Output to Orlassis	3007 300			VBO
GENERAL					11.7
Parameter	Conditions/Description	Min	Nom	Max	Units
Isolation Voltage	Input to Output Input to Chassis	4000 1500			VAC VAC
Efficiency	230VAC, 750W @ 24V	1500	89		%
	EN60601-1, UL60601-1 3rd Edition, CSA601-1 UL File no. E230761		00		70
Safety Agency Approvals				300	μA
	250VAC, 60Hz, 25°C			000	
				150	μA
Leakage Current Signals	250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9			150	μA
Leakage Current Signals Bias Supply	250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available	4.8	5.0	150 5.2	VDC
Leakage Current Signals Bias Supply	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	4.8	5.0	5.2 0.958	VDC fpmh
Leakage Current Signals Bias Supply	250VAC, 60Hz, 25°C 250VAC, 60Hz, 25°C Option 04 See Section 4.9 Always on. Current 250mA. 500mA option available	4.8	5.0	150 5.2	VDC
Leakage Current Signals Bias Supply	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	4.8	5.0	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter	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	4.8	5.0	5.2 0.958	VDC fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions	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	4.8	Level	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted	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	4.8	Level B	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated	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	4.8	Level B Level B	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion	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	4.8	Level B Level B Compliant	5.2 0.958	VDC fpmh fpmh
Conducted Radiated Harmonic Distortion Flicker & Fluctuation	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	4.8	Level B Level B	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation	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	4.8	Level B Level B Compliant Compliant	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge	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	4.8	Level B Level B Compliant	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity	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	4.8	Level B Level B Compliant Compliant	5.2 0.958	VDC fpmh fpmh
Leakage Current Signals Bias Supply Reliability Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst	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	4.8	Level B Level B Compliant Compliant Level 2 Level 3	5.2 0.958	VDC fpmh fpmh
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	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	4.8	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3	5.2 0.958	VDC fpmh fpmh
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	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	4.8	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3	5.2 0.958	VDC fpmh fpmh
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	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	4.8	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3	5.2 0.958	VDC fpmh fpmh
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	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	4.8 Min	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3	5.2 0.958	VDC fpmh fpmh
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	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 EN61000-4-5 EN61000-4-6 EN61000-4-11		Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	5.2 0.958 0.92	VDC fpmh fpmh Units
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	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 EN61000-4-5 EN61000-4-6 EN61000-4-11	Min	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	150 5.2 0.958 0.92	VDC fpmh fpmh Units
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	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 EN61000-4-5 EN61000-4-6 EN61000-4-11	Min -20	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	150 5.2 0.958 0.92 Max +70	VDC fpmh fpmh Units Units °C
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 Relative Humidity	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 EN61000-4-2 EN61000-4-5 EN61000-4-5 EN61000-4-6 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings Non-condensing	Min -20	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	150 5.2 0.958 0.92 Max +70	VDC fpmh fpmh Units Units °C
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	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 EN61000-4-2 EN61000-4-5 EN61000-4-6 EN61000-4-6 See Section 4.11 for full temperature deratings	Min -20 -40	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Compliant	150 5.2 0.958 0.92 Max +70 +85	VDC fpmh fpmh Units 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.
- All specifications at nominal input, full load, 25°C unless otherwise stated.
 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.



Xgen Flexabilty and Signals

For detailed infomation please refer to the Xgen Designers' Manual which is available on-line or contact Excelsys.

Voltage Adjustment

Output Voltage can be adjusted in a number of ways:

- 1. On board multi turn potentiometer
- 2. Remote resistive programming (via Vtrim pin)
- 3. Remote voltage programming (via Vtrim pin)

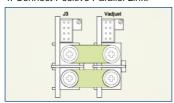
Current Limit Adjustment

Output current limit can be Straight line or Foldback and can be adjusted via Itrim pin.

Parallel Connection

To achieve increased current capacity, simply parallel outputs using the standard parallel links. Excelsys 'wireless' sharing ensures that current hogging is not possible. To parallel connect outputs:

- 1. Switch on IShare switch to ON on powerMods.
- 2. Connect Negative parallel link.
- 3. Adjust output voltages of powerMods to within 5mV of each other.
- 4. Connect Positive Parallel Link.

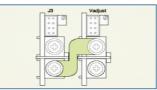


Parallel Links available to order. Part Number XP1

*Certain applications may require military grade potentiometer or fixed resistors - consult Excelsvs for details.

Series Connection

To achieve increased output voltages, simply series outputs using standard series links, paying attention to the requirements to maintain SELV levels if required in your system.



Series Links available. Part Number XS1

Remote Sensing

When the load is remote from the power supply, the remote sense pins may be used to compensate for drops in the power leads. Where the power cabling contributes significant dynamic impedance, see Xgen series Designers' Manual.

Bias Voltage

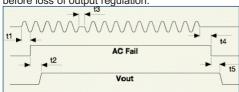
A SELV isolated bias (always on) voltage of 5V @ 250mA (30mA on XCE and XVE models) is provided on J2 pin 2 relative to J2 pin 1 (common) and may be used for miscellaneous control functions. 5V @ 500mA available on request.

Inhibit/Enable

Inhibiting may be implemented either globally or on a per module basis (powerPac or powerMod inhibiting). Reverse logic (enabling) may also be implemented.

AC Fai

Open collector signal indicating that the input voltage has failed or is less than 80Vac. This signal changes state giving 5mS of warning before loss of output regulation.



Power Good

Opto-Isolated output signal indicates that the *powerMod* is operating correctly and output voltage is within normal band.



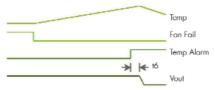
powerPac Options

Temperature Alarm (Option 01)

Open collector signal indicating excessive temperature has been reached due to fan failure or operation beyond ratings. This signal is activated at least 10ms prior to system shutdown.

Fan Fail (Option 01)

Open collector signal indicating that at least one of the *powerPacs* fans has failed. This does not cause power supply shutdown. The power supply will continue to operate until 10ms after the temperature alarm signal is generated.



Reverse Fan (Option 02)

The Xgen Series is available with reverse air flow direction. Contact Excelsys for derating details.

Ultra Low Leakage Current (Option 04)

The Xgen is availabe with the option of Ultra Low Earth Leakage Current of <150 μ A and is approved to EN60601-1 and UL60601-1 2nd and 3rd Editions

Conformal Coating (Option C)

The Xgen is available with conformal coating for harsh environments and MIL-COTs applications.

Ruggedised Option (Option R)

The Xgen is available with extra ruggedisation for applications that are subject to extremes in shock and vibration.

Input Cable Option (Option D)

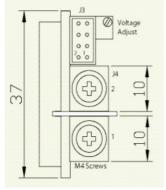
 $3\ \mbox{Wire}$ input mains cable. Input cables are 300mm in length and come supplied with fast connectors.

Signal Connector Pinout

Pin	J2 (powerPac)	J3 (<i>powerMod)</i> Xg1-Xg5 Type A	J3 (<i>powerMod)</i> Xg7 Type A	J3 (<i>powerMod)</i> Xg8 Type B
1	common	+sense	not used	-pg (V2)
2	+5V bias	-sense	not used	+pg (V2)
3		V trim	not used	inhibit (V2)
4	ac fail	I trim	common	common (V2)
5	fan fail*	+inhibit/enable	-pg	-pg (V1)
6	global enable	-inhibit/enable	+pg	+pg (V1)
7	temp alarm*	+power good	inhibit	inhibit (V1)
8	global inhibit	-power good	common	common (V1)

^{*}Option 01 only

TYPE A Xg1-Xg7

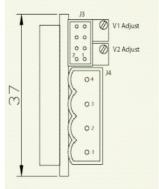


J4 Connector : M4 Screw

J3 Connector Mating Connector
Housing: Locking Molex 51110-0860
Non Locking Molex 51110-0850

0850 Crimp Terminal: Molex p/n 50394

TYPE B: Xg8



J4Connector : Camden 9200/4A

J3 Connector Mating Connector
Housing: Locking Molex 51110-0860
Non Locking Molex 511100850
Crimo Terminal: Molex p/n 50394

Xgen Product Selector

The Xgen series of user configurable power supplies with its unique plug and play architecture allows system designers to define and build 'instant' custom power solutions with industry leading 17W/in³ power density and up to 90% efficiency.

Xgen powerPacs

The application specific 4 slot and 6 slot *powerPacs* provide up to 12 isolated DC outputs from 200W up to 1340W. The table below summarises the *powerPacs* by application and power level. Please refer to the specific product datasheets for full specifications.

Application	Slots	200W	400W	600W	700W	750W	800W	900W	1000W	1200W	1340W
Standard	4 Slot	XLA	XLB	XLC		XLD					
	6 Slot		XCA		XCB				XCC	XCD	XCE
Medical	4 Slot	XMA	XMB	XMC		XMD					
	6 Slot		XVA		XVB				XVC	XVD	XVD
Low Noise Standard	4 Slot	XKA	XKB	XKC							
	6 Slot		XQA					XQB		XQC	
Low Noise Medical	4 Slot	XRA	XRB	XRC							
	6 Slot		XZA					XZB		XZC	
Ultra Quiet Standard	4 Slot	XTA	XTB								
	6 Slot		XBA	XBB			XBC				
Ultra Quiet Medical	4 Slot	XNA	XNB								
	6 Slot		XWA	XWB			XWC				
Hi-Temp	6 Slot		XHA	XHB							

Xgen powerMods

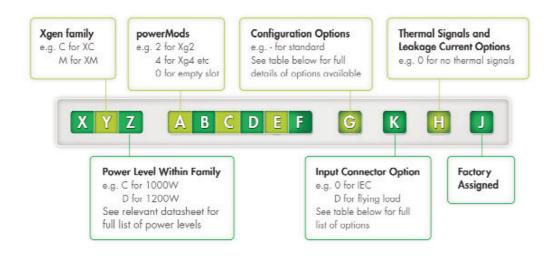
High Efficiency Plug and Play DC output modules to provide a wide range of DC output voltages from 1.0V up to 58.0V.

MODEL	Vmin Vtrim Vpot		Vnom	Vmax	Imax	Watts
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	24.0	48.0	58.0	6A	288W
Xg7		5.0	24.0	28.0	5A	120W
Xg8 v1		5.0	24.0	28.0	3A	72W
V2		5.0	24.0	28.0	3A	72W

Standard Xgen product options include: Conformal Coating, Low Acoustic Noise, Low Leakage Current, Extra Ruggedisation, Connector, Cabling & Mounting options, Thermal Signals and Reverse Fans.



Configuring your Xgen



Example: XVD234580-D4A contains XVD *powerPac*: 1200W medically approved

Powermods

Xg2:5V/40A Xg3:12V/20A Xg4:24V/10A Xg5:48V/6A Xg8:24V/3A, 24V/3A

Option D: Input Cable option Option 4: 150µA Leakage current option

A: Factory assigned unique identifier