





# PLUG & PLAY POWER next generation power solution

# **FEATURES & OPTIONS**

- 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)
- · Visual LED indicators
- · 5V bias standby voltage provided
- SEMI F47 Compliant
- 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**

- · Industrial machines
- Test and measurement
- · Automation equipment
- Printing
- Telecommunications

The XL family of power supplies provides up to 750W in a slimline 1U package. Providing up to 8 isolated outputs, the XL family is the most flexible power supply in its class and brings affordable configurable power to the 200-750W market.

The slimline product boasts unrivalled power density saving valuable system space. Combined with ultra high efficiencies, the XL family provides system designers with flexible instant solutions that significantly shorten design-in time and simplify integration.

The XL 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.

All configurations carry full safety agency approvals, UL60950, EN60950 and are CE marked.

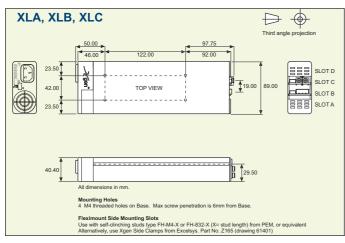
#### powerMods

MODEL	Vmin		Vnom	Vnom Vmax		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	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	ЗА	72W
V2		5.0	24.0	28.0	3A	72W

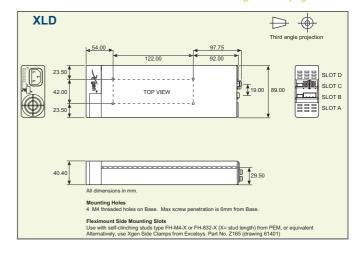
# powerPacs

	MODEL	Watts	
	XLA	200W	
	XLB	400W	
×	XLC	600W	
	XLD	750W	

# **MECHANICAL SPECIFICATIONS**



Note: See diagrams on pages 34-37





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

Parameter Input Voltage Range	Conditions/Description	Min	Nom	Max	Units
	Universal Input 47-63Hz. Contact factory for 440Hz operation	85		264	VAC
1	The second secon	120		380	VDC
Power Rating	XLA:200W, XLB:400W, XLC:600W, XLD:750W				
	See Section 4.11 for line voltage deratings				
Input Current XLA	85VAC in 200W out		4.0		A
XLB	85VAC in 400W out		6.0		Α
XLC	85VAC in 400W out		7.5		A
XLD	85VAC in 525W out		7.5	FO	A
Inrush Current Undervoltage Lockout	230VAC, 25°C Shutdown	65		50 74	A VAC
Fusing XLA	250V 5 x 20mm	65	F5A HRC	74	VAC
XLB	250V 5 x 20mm		F6.3A HRC		
XLC, XLD	250V 5 x 20mm		F8A HRC		
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
powerMod Power	As per powerMod table	IVIIII	Nom	IVIAX	Office
Output Adjustment Range	Manual: Multi-turn potentiometer. As per powerMod table				
Output Aujustinent Kange	Electronic: See Section 4.6				
Minimum Load	Eloodonio. Oco Ocodon 4.0		0		Α
Line Regulation	For ±10% change from nominal line		Ŭ	±0.1	%
Load Regulation	For 25% to 75% load change			±0.1	%
Cross Regulation				±0.2	%
Transient Response	For 25% to 75% load change Voltage Deviation			10	%
<u> </u>	Settling Time			250	μs
Ripple and Noise	20MHz 100mV or 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 Section 4.6				
Remote Sense	Max. line drop compensation. (except Xg7, Xg8)			0.5	VDC
Overshoot	5 404 404 45 44 45			2	%
Turn-on Delay	From AC In and Global Enable / powerMod Enable XLA, XLB, XLC			700 / 6	ms
<u> </u>	From AC In and Global Enable / powerMod Enable XLD			1000 / 6	ms
Rise Time	Monotonic VI A VI B VI CVI B	20/45		5	ms
Hold-up Time	For nominal output voltages at full load XLA, XLB, XLC/XLD	20/15 500 / 500			ms VDC
Output Isolation	Output to Output / Output to Chassis	300 / 300			VDC
GENERAL					
Parameter	Conditions/Description	Min	Nom	Max	Units
lsolation Voltage	Input to Output	3000			VAC
	Input to Chassis	1500	89		VAC
<b>Fee:</b> - !					%
Efficiency	230VAC, 750W @ 24V		09		
Safety Agency Approvals	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875		09	1.5	то Л
Safety Agency Approvals Leakage Current	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C		09	1.5	mA
Safety Agency Approvals Leakage Current Signals	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Section 4.9	4.8			
Safety Agency Approvals Leakage Current Signals Bias Supply	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Section 4.9 Always on. Current 250mA. 500mA option available	4.8	5.0	5.2	VDC
Safety Agency Approvals Leakage Current Signals	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod	4.8			VDC fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod	4.8		5.2 0.958	VDC fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C See Section 4.9 Always on. Current 250mA. 500mA option available Failures per million hours at 40°C and full load powerMod	4.8		5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0 Level	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0  Level  Level B  Level B	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0  Level B Level B Compliant	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0  Level  Level B  Level B	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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	5.0  Level B Level B Compliant	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 Level 2	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 Level 3	4.8	Level B Level B Compliant Compliant Level 2	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 Level 3 EN61000-4-5	4.8	Level B Level B Compliant Compliant Level 2 Level 3	5.2 0.958	VDC fpmh fpmh
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-6	4.8	Level B Level B Compliant Compliant Level 2 Level 3 Level 3	5.2 0.958	VDC fpmh fpmh
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Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips ENVIRONMENTAL	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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, SEMI F47 compliant. See note 8.		Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Compliant	5.2 0.958 0.92	VDC fpmh fpmh Units
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation mmunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips ENVIRONMENTAL Parameter	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-6	Min	Level B Level B Compliant Compliant Level 2 Level 3 Level 3	5.2 0.958 0.92	VDC fpmh fpmh Units
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Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips ENVIRONMENTAL Parameter Operating Temperature Storage Temperature	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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 EN61000-4-5 EN61000-4-6 EN61000-4-11, SEMI F47 compliant. See note 8.	Min	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Compliant	5.2 0.958 0.92	VDC fpmh fpmh Units
Safety Agency Approvals Leakage Current Signals Bias Supply Reliability  EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity Voltage Dips ENVIRONMENTAL Parameter Operating Temperature	EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 250VAC, 60Hz, 25°C 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, SEMI F47 compliant. See note 8.	Min -20	Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Compliant	5.2 0.958 0.92 Max +70	VDC fpmh fpmh Units

## 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. XLD: 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. Conformal Coating option: See Sections 3.1 and 4.10 for details.
- 7. For section references above go to the Xgen Designers Manual.
- 8. SEMI F47 compliant at input voltages >160VAC. Consult Excelsys for details.



#### **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)

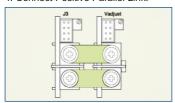
#### **Current Limit Adjustment**

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.

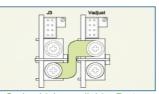


Parallel Links available to order. Part Number XP1

\*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.

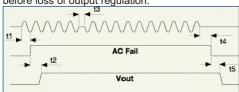
#### **Bias Voltage**

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

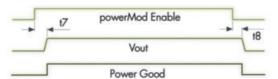
Inhibiting may be implemented either globally or on a per module basis (powerPac or powerMod inhibiting). Reverse logic (enabling) may also be implemented.

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.

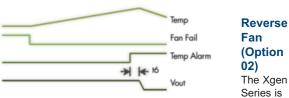


#### **Temperature Alarm (Option 01)**

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.



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 <150µA 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.

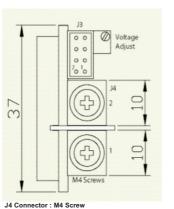
#### **Input Cable Option (Option D)**

3 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)

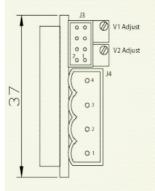
\*Option 01 only TYPE A Xg1-Xg7



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

Crimp Terminal: Molex p/n 50394

Housing:



TYPE B: Xg8

J4Connector : Camden 9200/4A Wurth Elektronik 691 352 710 004

Mating Connector Locking Molex 51110-0860 Non Locking Molex 51110-0850 Crimp 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/in<sup>3</sup> 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

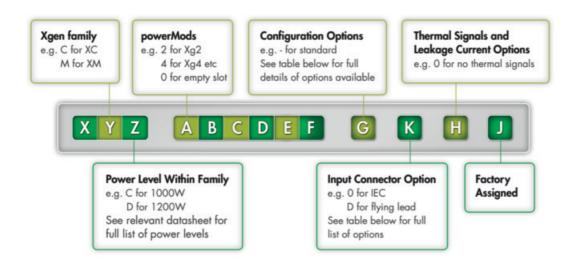
High Efficiency Plug and Play DC output modules to provide a wide range of DC output voltages from 1.0V up to 58.0V.

MODEL	Vmin		Vnom	Vmax	Imax	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	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