



## Xgen Series Ultra Quiet

*The Modular Power Solution of Choice  
for Acoustic Sensitive Applications*

- *High Efficiency*
- *High Reliability*
- *High Power Density*

# 200W-800W Ultra Quiet Power Supply

Ultra-high efficiency 1U size

**XgenSeries**



**PLUG & PLAY POWER**  
next generation power solution

## FEATURES & OPTIONS

- Low Acoustic noise 37.3dBA
- Ultra high efficiency, up to 89%
- UL/EN60950 2nd edition
- UL/EN60601-1 3rd edition
- UL/EN60601-1-2 4th edition EMC compliant
- Extra low profile: 1U height (40mm) compliant
- 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
- Active PFC (Power Factor Correction)
- 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

- Audio Equipment
- Test and measurement
- Telecommunications
- Medical/Scientific

The Ultra-Quiet series from Excelsys delivers the lowest acoustic noise solutions in the market, providing up to 800W of output power in an extremely compact 1U package. Application specific solutions are available in either a 4 slot or 6-slot form factor which employ a unique plug and play architecture allowing users to configure a custom power supply in less than 5 minutes.

All configurations carry full safety agency approvals, UL60950/EN60950/UL60601-1/EN60601-1 and are CE marked.

### powerMods

Model	Vnom (V)	Set Point Adjust Range (V)	Dynamic Vtrim Range (V)	I <sub>max</sub> (A)	Power (W)	Remote Sense	Power Good
XgA	12.0	10.8-15.6	-	12.5	150	-	-
XgB	24.0	19.2-26.4	-	8.3	200	-	-
XgC	36.0	28.8-39.6	-	5.6	200	-	-
XgD	48.0	38.4-50.4	-	4.2	200	-	-
XgE/Xg7	24.0	5.0-28.0	-	5.0	120	-	Yes
XgF/Xg8	24.0	5.0-28.0	-	3.0	72	-	Yes
	24.0	5.0-28.0	-	3.0	72	-	Yes
XgG	2.5	1.5-3.6	1.15-3.6	40.0	100	Yes	Yes
XgH	5.0	3.2-6.0	1.5-6.0	36.0	180	Yes	Yes
XgJ	12.0	6.0-15.0	4.0-15.0	18.3	220	Yes	Yes
XgK	24.0	12.0-30.0	8.0-30.0	9.2	220	Yes	Yes
XgL	48.0	28.0-58.0	8.0-58.0	5.0	240	Yes	Yes
Xg1	2.5	1.5-3.6	1.15-3.6	50.0	125	Yes	Yes
Xg2	5.0	3.2-6.0	1.5-6.0	40.0	200	Yes	Yes
Xg3	12.0	6.0-15.0	4.0-15.0	20.0	240	Yes	Yes
Xg4	24.0	12.0-30.0	8.0-30.0	10.0	240	Yes	Yes
Xg5	48.0	28.0-58.0	8.0-58.0	6.0	288	Yes	Yes
<b>Wide Trim Modules</b>							
XgM	5.0	3.2-6.0	1.0 to 6.0	40.0	200	Yes	Yes
XgN	12.0	6.0-15.0	1.0 to 15.0	20.0	240	Yes	Yes
XgP	24.0	12.0-30.0	1.0 to 30.0 <sup>(*)</sup>	10.0	240	Yes	Yes
XgQ	48.0	24.0-58.0	1.0 to 58.0 <sup>(*)</sup>	6.0	288	Yes	Yes
<b>Reactive Load Modules</b>							
XgR	24.0	12.0-30.0	8.0 to 30.0	10.0	240	No	Yes
XgT	48.0	28.0-58.0	8.0 to 58.0	6.0	288	No	Yes

### powerPacs

	MODEL	Slots	Power	Medical Approval	
				UL/EN60601-1 3 <sup>rd</sup> Edition	(Industrial) UL/EN60950 2 <sup>nd</sup> Edition
Ultra Quiet	XTA	4	200W	No	Yes
	XTB	4	400W	No	Yes
	XNA	4	200W	Yes	No
	XNB	4	400W	Yes	No
	XBA	6	400W	No	Yes
	XBB	6	600W	No	Yes
	XBC	6	800W	No	Yes
	XWA	6	400W	Yes	No
	XWB	6	600W	Yes	No
	XWC	6	800W	Yes	No

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

INPUT						
Parameter	Conditions/Description		Min	Nom	Max	Units
<b>Input Voltage Range</b>	Universal Input 47-440Hz		85 120		264 380	VAC VDC
<b>Power Rating</b>	See <i>powerPac</i> table on page 10. See Section 3.2 for line voltage deratings					
<b>Input Current</b>	XTA/XNA	85VAC in 200W out		4.5		A
	XTB/XNB	85VAC in 283W out		5.0		A
	XBA/XWA	85VAC in 400W out		7.5		A
	XBB/XWB	85VAC in 600W out		9.5		A
	XBC/XWC	85VAC in 625W out		11.5		A
<b>Inrush Current</b>	230VAC, 25°C 4 Slot/6 Slot				50/25	A
<b>Undervoltage Lockout</b>	Shutdown		65		74	VAC
<b>Power Factor</b>	110 VAC @ Full Load		0.98			
<b>Fusing</b>	XTA/XNA	250V		F5A HRC		
	XTB/XNB	250V		F6.3A HRC		
	XBA/XWA	250V		F8A HRC		
	XBB/XWB	250V		F10A HRC		
	XBC/XWC	250V		F12A HRC		
OUTPUT						
Parameter	Conditions/Description		Min	Nom	Max	Units
<b>powerMod Power</b>	As per <i>powerMod</i> table					
<b>Output Adjustment Range</b>	Manual: Multi-turn potentiometer. As per <i>powerMod</i> table Electronic:					
<b>Line Regulation</b>	For ±10% change from nominal line				±0.1	%
<b>Load &amp; Cross Regulation</b>	For 25% to 75% load change				±0.2	%
<b>Transient Response</b>	For 25% to 75% load change Voltage Deviation Settling Time				10 250	% µs
<b>Ripple and Noise</b>	20MHz 100mV or 1.0% pk-pk. See note 9.					
<b>Overvoltage Protection</b>	1st level: Vset Tracking. 2nd level: Vmax (Latching)		105		170	%
<b>Overcurrent Protection</b>	Straight line with hiccup activation at <30% of Vnom See Section 4.6		105		170	%
<b>Remote Sense</b>	Max. line drop compensation. (except Xg7, Xg8, XgE, XgF, XgR, XgT)				0.5	VDC
<b>Overshoot</b>					2	%
<b>Turn-on Delay</b>	From AC in and Global Enable / <i>powerMod</i> Enable				700 / 6	ms
<b>Rise Time</b>	Monotonic				5	ms
<b>Hold-up Time</b>	For nominal output voltages at full load. XTB & XNB XTA, XNA, XBA, XBB, XBC, XWA, XWB, XWC		15 20			ms ms
<b>Output Isolation</b>	Output to Output / Output to Chassis		500 / 500			VDC
GENERAL						
Parameter	Conditions/Description		Min	Nom	Max	Units
<b>Isolation Voltage</b>	Input to Output (Industrial/Medical) Input to Chassis		3000/4000 1500			VAC VAC
<b>Efficiency</b>	230VAC, full load @ 24V			89		%
<b>Safety Agency Approvals</b>	EN60601-1 3rd Edition, UL60601-1, CSA601, UL File No. E230761 EN60950 2nd Edition, CSA C22.2 No. 60950-1, UL File No. E181875					
<b>Leakage Current</b>	250VAC, 60Hz, 25°C; Industrial Medical Low leakage Current Medical (Option 4)				1.5 300 150	mA µA µA
<b>Weight</b>	See weight calculators on Excelsys website					
<b>Signals</b>	See Section 4.9					
<b>Bias Supply</b>	Always on. Current 500mA.		4.8	5.0	5.2	VDC
<b>Reliability</b>	Failures per million hours at 40°C and full load See Section 7.1 . <i>powerPac</i> excludes fans				0.958 0.92	fpmh fpmh
		<i>powerMod</i>				
		<i>powerPac</i>				
EMC						
Parameter	Standard		Level		Units	
<b>Conducted</b>	EN55011, EN55022, FCC		Class B			
<b>Radiated</b>	EN55011, EN55022, FCC		Class B			
<b>Harmonic Distortion</b>	EN61000-3-2 Class A		Compliant			
<b>Flicker &amp; Fluctuation</b>	EN61000-3-3		Compliant			
<b>Electrostatic Discharge</b>	EN61000-4-2		Level 2			
<b>Radiated Immunity</b>	EN61000-4-3		Level 3			
<b>Fast Transients-Burst</b>	EN61000-4-4		Level 3			
<b>Input Line Surges</b>	EN61000-4-5		Level 3			
<b>Conducted Immunity</b>	EN61000-4-6		Level 3			
<b>Voltage Dips</b>	EN61000-4-11, SEMI F47 Compliant <sup>(n)</sup>		Compliant			
ENVIRONMENTAL						
Parameter	Conditions/Description		Min	Nom	Max	Units
<b>Temperature</b>	Operating/Storage		-20/-40		+70/+85	°C
<b>Derating</b>	See Section 3.2 for full temperature deratings					
<b>Relative Humidity</b>	Non-condensing		5		95	%RH
<b>Acoustic Noise</b>	Measured from distance of 1m; 4-slot/6-slot			37.3/38.3		dBA
<b>Shock</b>	3000 Bumps, 10G (16ms) half sine					
<b>Vibration</b>	1.5G		10		200	Hz
<b>Altitude</b>	Operational: 2000m, Storage: 8000m					

### NOTES

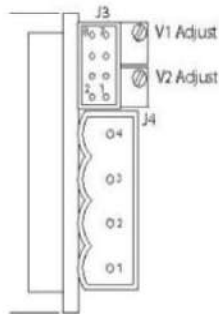
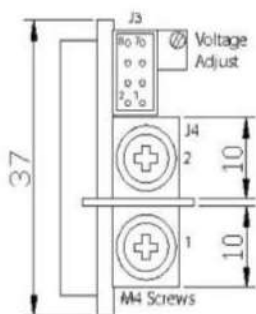
1. This product is not intended for use as a stand alone unit and must be installed by qualified personnel.
2. The specifications contained herein are believed to be correct at time of publication and are subject to change without notice.
3. All specifications at nominal input, full load, 25°C unless otherwise stated.
4. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.
5. SEMI F47 compliant at input voltages >160VAC. Consult Excelsys for details
6. Visit [www.excelsys.com](http://www.excelsys.com) for configuration and ordering and contact information.
7. Conformal Coating option; See Sections 3.4 and 4.10 for details.
8. Product is not UL/EN certified for 120-380VDC input operation. Consult Excelsys for details
9. XgP & XgQ- Output ripple and noise are load dependent. Contact Excelsys or [support@excelsys.com](mailto:support@excelsys.com) for details. .

**Output Connectors**

The output *powerMods* connection details are shown below. Type A connectors are for single output *powerMods* XgA-XgT and Xg1-Xg7. The Type B connector is for the dual output XgF/Xg8 *powerMod*. The power and signal connectors are as follows:

**Type A: *powerMods***  
XgA to XgE  
XgG to XgT  
Xg1 to Xg7

**Type B: *powerMod***  
XgF/Xg8



**Output Signals and Power Connector Pinout**

Pin	J3 Module (XgA to XgD)	J3 (XgG-XgQ) (Xg1-Xg5)	J3 (XgR-XgT)	J3 (XgE)	J3 (XgF) (Xg7)	J4 (Type A) (Xg8)	J4 (Type B)
1	not used	+Sense*	not used	not used	-pg (V2)	-Vout	-V2
2	Common	-Sense*	-Vtrim	not used	+pg (V2)	+Vout	+V2
3	not used	Vtrim	+Vtrim	not used	Inhibit (V2)		-V1
4	not used	Itrim	Itrim	Common	Common (V2)		+V1
5	+Inhibit	+Inhibit/Enable	+Inhibit/Enable	-pg	-pg (V1)		
6	-Inhibit	-Inhibit/Enable	-Inhibit/Enable	+pg	+pg (V1)		
7	not used	+pg	+pg	Inhibit	Inhibit (V1)		
8	not used	-pg	-pg	Common	Common (V1)		

\*remote sense not present on XgR and XgT *powerMods*.

**Output Mating Connectors**

J3: Locking Molex 51110-0860; Non Locking Molex 51110-0850; Crimp Terminal: Molex p/n 50394. Or Molex 51110-0856, includes Locking Tab & Polarization Keying

J4 (Type A): M4 Screw (8mm)

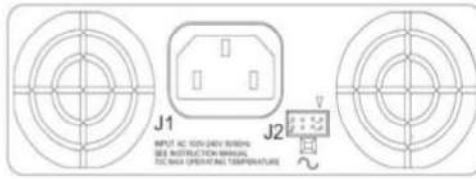
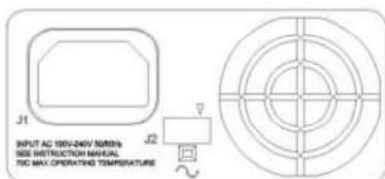
J4 (Type B) Connector(s): Camden CTB9200/4A or Würth Elektronik 691 352 710 004

**Input Connectors**

Excelsys modular power supplies have a variety of input connector options to ease system integration. These include IEC, Input cables (3-wire) and IEC to Screw Terminal Adaptor.

**J1 & J2 Connectors 4-slot**

**J1 & J2 Connectors 6-slot**



Pin	J1	J2
1	Line	Common
2	Neutral	+5V Bias
3	Earth	not used
4		AC Fail
5		Fan Fail
6		Global Enable
7		Temp Alarm
8		Global Inhibit

**Input Mating Connectors**

J1: IEC320 type female plug rated 13, Locking IEC cable and connector: Schaffner EMC part number IL13-US1-SVT-3100-183.

J2: Locking Molex 51110-0860; Non Locking 51110-0850; Crimp Terminal: Molex p/n 50394; Or Molex 51110-0856, includes Locking Tab & Polarization Keying

**Input Cable (Option D)**

Excelsys modular power supplies are also available with an input cable connection option allowing greater flexibility when mounting the power supply in the system. Individually insulated input cables are 300mm in length and come supplied with Faston connectors.

**IEC to Screw Terminal Adaptor**

Some applications may require a screw terminal input rather than the standard IEC320 connector provided with Excelsys modular power supplies. For such applications, Excelsys can offer the XE1, the IEC to Screw terminal adaptor accessory plug. This is a press fit connector that plugs securely into the *powerPac* and provides the system integrator with screw terminals for mains connection (not available on XCE, XVE, XMD, XLD, XF). Recommended IEC to Faston/Terminal Lugs Schurter P/N 4788.8000



## Xgen Series High Power

*The Modular Power Solution of Choice  
for Mission Critical Applications*

- *High Efficiency*
- *High Reliability*
- *High Power Density*

# 750W-1340W

## Xgen High Power AC/DC Power Supply

Ultra-high efficiency 1U size



### PLUG & PLAY POWER next generation power solution

#### FEATURES & OPTIONS

- Ultra high efficiency, up to 90%
- Extra low profile < 1U height
- Plug & Play Power – allows fast custom configuration
- UL/EN60950 2nd edition
- UL/EN60601-1 3rd edition
- UL/EN60601-1-2 4th edition EMC compliant
- 4KV isolation (medical)
- SEMI F47 compliant
- -40C start up temperature
- All outputs fully floating
- Series/Parallel of outputs
- Active PFC (Power Factor Correction)
- Standard Xgen product options include: Conformal Coating, Low Leakage Current, Extra Ruggedisation, Connector, Cabling and Mounting options, Reverse Fans.

#### APPLICATIONS INCLUDE

- Medical:** Clinical diagnostic equipment, Medical lasers, Dialysis, Radiological Imaging equipment, Clinical Chemistry
- Industrial:** Test & Measurement, Industrial Machines, Automation equipment, Printing, Telecommunications, Audio equipment

The Xgen High Power family of industrial and medically approved power supplies provide up to an incredible 1340W in an extremely compact 1U package. Providing up to 12 isolated DC outputs, the Xgen High Power family employs innovative plug & play architecture allowing users to instantly configure a custom power solution in less than 5 minutes!

XLD and XCE parts are approved to EN60950 2nd edition and are ideal for wide range of industrial applications. XMD and XVE parts carry full medical safety agency approvals including UL/ENEN60601-1 2nd and 3rd Edition, 2MOPP and 4kVAC, CSA as well as carrying the CE mark.

#### powerMods

Model	Vnom (V)	Set Point Adjust Range (V)	Dynamic Vtrim Range (V)	I <sub>max</sub> (A)	Power (W)	Remote Sense	Power Good
XgA	12.0	10.8-15.6	-	12.5	150	-	-
XgB	24.0	19.2-26.4	-	8.3	200	-	-
XgC	36.0	28.8-39.6	-	5.6	200	-	-
XgD	48.0	38.4-50.4	-	4.2	200	-	-
XgE/Xg7	24.0	5.0-28.0	-	5.0	120	-	Yes
XgF/Xg8	24.0	5.0-28.0	-	3.0	72	-	Yes
	24.0	5.0-28.0	-	3.0	72	-	Yes
XgG	2.5	1.5-3.6	1.15-3.6	40.0	100	Yes	Yes
XgH	5.0	3.2-6.0	1.5-6.0	36.0	180	Yes	Yes
XgJ	12.0	6.0-15.0	4.0-15.0	18.3	220	Yes	Yes
XgK	24.0	12.0-30.0	8.0-30.0	9.2	220	Yes	Yes
XgL	48.0	28.0-58.0	8.0-58.0	5.0	240	Yes	Yes
Xg1	2.5	1.5-3.6	1.15-3.6	50.0	125	Yes	Yes
Xg2	5.0	3.2-6.0	1.5-6.0	40.0	200	Yes	Yes
Xg3	12.0	6.0-15.0	4.0-15.0	20.0	240	Yes	Yes
Xg4	24.0	12.0-30.0	8.0-30.0	10.0	240	Yes	Yes
Xg5	48.0	28.0-58.0	8.0-58.0	6.0	288	Yes	Yes
<b>Wide Trim Modules</b>							
XgM	5.0	3.2-6.0	1.0 to 6.0	40.0	200	Yes	Yes
XgN	12.0	6.0-15.0	1.0 to 15.0	20.0	240	Yes	Yes
XgP	24.0	12.0-30.0	1.0 to 30.0 <sup>(m)</sup>	10.0	240	Yes	Yes
XgQ	48.0	24.0-58.0	1.0 to 58.0 <sup>(m)</sup>	6.0	288	Yes	Yes
<b>Reactive Load Modules</b>							
XgR	24.0	12.0-30.0	8.0 to 30.0	10.0	240	No	Yes
XgT	48.0	28.0-58.0	8.0 to 58.0	6.0	288	No	Yes

#### powerPacs

	MODEL	Slots	Power	Medical Approval	
				UL/EN60601-1 3 <sup>rd</sup> Edition	(Industrial) UL/EN60950 2 <sup>nd</sup> Edition
High Power	XLD	4	750W	No	Yes
	XMD	4	750W	Yes	No
	XCE	6	1340W	No	Yes
	XVE	6	1340W	Yes	No

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

INPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage Range	Universal Input 47-440Hz	85 120		264 380	VAC VDC
Power Rating	XLD/XMD: 750W, XCE/XVE: 1340W See section 3.2 derating curves				
Input Current	XLD/XMD XCE/XVE	85VAC in 252W out 85VAC in 1000W out	7.5 14.5		A
Inrush Current	230VAC @ 25°C XLD & XMD/ XCE & XVE			50/25	A
Undervoltage Lockout	Shutdown	65		74	VAC
Power Factor	110 VAC @ Full Load	0.98	0.99		
Fusing	XLD/XMD XCE/XVE	250V 250V		F8A HRC F12A HRC	
OUTPUT					
Parameter	Conditions/Description	Min	Nom	Max	Units
<i>powerMod</i> Power	As per <i>powerMod</i> table				
Output Adjustment Range	Manual: Multi-turn potentiometer. As per <i>powerMod</i> table Electronic: See Section 4.6				
Minimum Load	Minimum load required for operation above 40°C. See table on page 16		0		A
Line Regulation	For ±10% change from nominal line			±0.1	%
Load & Cross Regulation	For 25% to 75% load change			±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. See note 11.				
Overvoltage Protection	Two-level. 1st level: Vset Tracking. 2nd level: Vmax (Latching)	105		170	%
Overcurrent Protection	Straight line with hiccup activation at <30% of Vnom. See Section 4.6	105		170	%
Remote Sense	Max. line drop compensation (except Xg7, Xg8, XgE, XgF, XgR, XgT)			0.5	VDC
Overshoot				2	%
Rise Time	Monotonic			5	ms
Turn-on Delay	From AC in and Global Enable			1000/6	ms
Hold-up Time	For nominal output voltages at full load.	15			ms
Output Isolation	Output to Output/Output to Chassis	500 / 500			VDC
GENERAL					
Parameter	Conditions/Description	Min	Nom	Max	Units
Isolation Voltage	Input to Output Input to Chassis	4000 1500			VAC VAC
Efficiency	230VAC, 1340W @ 24V		90		%
Safety Agency Approvals	XLD & XCE XMD & XVE	EN60950 2nd Edition, UL60950, CSA 22.2 Number 60950-1: UL File Number E181875 EN60601-1 3rd Edition, UL60601-1, CSA601 UL File Number E230761			
Earth Leakage Current	250VAC, 60Hz, 25°C XLD & XCE/XMD & XVE 250VAC, 60Hz, 25°C (Option 04)			1.5/300 150	mA/ µA µA
Weight	See weight calculators on Excelsys website				
Signals	See section 4.9				
Bias Supply	Always on. Current 500mA (250mA for XCE/XVE)	4.8	5.0	5.2	VDC
Reliability	Failures per million hours at 40°C and full load See Section 7.1 . <i>powerPac</i> excludes fans			0.958 0.946	fpmh fpmh
EMC					
Parameter	Standard	Level			Units
<b>Emissions</b>					
Conducted	EN55011, EN55022, FCC		Class B		
Radiated	EN55011, EN55022, FCC		Class B		
Harmonic Distortion	EN61000-3-2 Class A		Compliant		
Flicker & Fluctuation	EN61000-3-3		Compliant		
<b>Immunity</b>					
Electrostatic Discharge	EN61000-4-2		Level 2		
Radiated Immunity	EN61000-4-3		Level 3		
Fast Transients-Burst	EN61000-4-4		Level 3		
Input Line Surges	EN61000-4-5		Level 3		
Conducted Immunity	EN61000-4-6		Level 3		
Voltage Dips	EN61000-4-11, SEMI 47 compliant <sup>(6)</sup>		Compliant		
ENVIRONMENTAL					
Parameter	Conditions/Description	Min	Nom	Max	Units
Operating Temperature		-20		+70	°C
Storage Temperature		-40		+85	°C
Derating	See Section 3.2 for full temperature deratings				
Relative Humidity	Non-condensing	5		95	%RH
Acoustic Noise	Measured from distance of 1m; 4 slot/6 slot. See Page 58 for full table		52.8/56.5		dBA
Shock	3000 Bumps, 10G (16ms) half sine				
Vibration	MIL-STD810G				
Altitude	Operational: 2000m, Storage: 8000m				

**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/XMD: 800W peak for 1s; Duty Cycle 7% *powerMod* output power must not exceed normal ratings
5. XCE/XVE: 1450W peak for 10s; Duty Cycle 8%. *powerMod* output power must not exceed normal ratings
6. When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.
7. Conformal Coating option: See Sections 3.4 and 4.10 for details.
8. SEMI F47 compliant at input voltages >160VAC. Consult Excelsys for details.
9. Visit [www.excelsys.com](http://www.excelsys.com) for configuration and ordering and contact information.
10. Product is not UL/EN certified for 120-380VDC input operation. Consult Excelsys for details.
11. XgP & XgQ- Output ripple and noise are load dependent. Contact Excelsys or [support@excelsys.com](mailto:support@excelsys.com) for details.

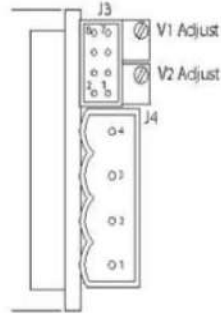
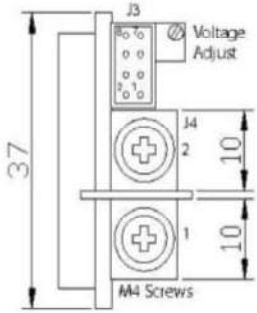
# 750W-1340W

## Output Connectors

The output *powerMods* connection details are shown below. Type A connectors are for single output *powerMods* XgA-XgT and Xg1-Xg7. The Type B connector is for the dual output XgF/Xg8 *powerMod*. The power and signal connectors are as follows:

**Type A: *powerMods***  
 XgA to XgE  
 XgG to XgT  
 Xg1 to Xg7

**Type B: *powerMod***  
 XgF/Xg8



## Output Signals and Power Connector Pinout

Pin	J3 Module (XgA to XgD)	J3 (XgG-XgQ) (Xg1-Xg5)	J3 (XgR-XgT)	J3 (XgE)	J3 (XgF) (Xg7)	J4 (Type A) (Xg8)	J4 (Type B)
1	not used	+Sense*	not used	not used	-pg (V2)	-Vout	-V2
2	Common	-Sense*	-Vtrim	not used	+pg (V2)	+Vout	+V2
3	not used	Vtrim	+Vtrim	not used	Inhibit (V2)		-V1
4	not used	Itrim	Itrim	Common	Common (V2)		+V1
5	+Inhibit	+Inhibit/Enable	+Inhibit/Enable	-pg	-pg (V1)		
6	-Inhibit	-Inhibit/Enable	-Inhibit/Enable	+pg	+pg (V1)		
7	not used	+pg	+pg	Inhibit	Inhibit (V1)		
8	not used	-pg	-pg	Common	Common (V1)		