imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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400W-800W



Ultra Low Noise Power Supply Ultra-high efficiency 1U size

Ultra Low Noise

PLUG & PLAY POWER next generation power solution

FEATURES & OPTIONS

- Low Acoustic noise 38.3dBA
- Ultra high efficiency, up to 89%
- Extra low profile: 1U height (40mm)Plug & Play Power allows fast custom
- Prug & 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
- 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
- For Medical applications, See XW

genseries

The XB family of Ultra Low Noise power supplies provides up to 800W in an extremely compact 1U x 260mm x 127mm package. With efficiencies of up to 90%, the XB family employs an innovative plug & play architecture that allows users to instantly configure a custom power solution in less than 5 minutes!

Ideal for acoustic sensitive applications such as audio applications, the XB family provides unmatched efficiency and high power density, made possible through the combination of low loss technologies and the best field-proven technologies in planar magnetics and surface mount electronics.

The XB family consists of 3 *powerPac* models ranging in power levels from 400W to 800W. Each model may be populated with up to 6 *powerMods* selected from the table of *powerMods* shown below.

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

| powerMo | erMods | | | | | | | | | |
|---------|--------|------|------|------|--------|-------|--|--|--|--|
| MODEL | Vr | nin | Vnom | Vmax | Imax | Watts | | | | |
| | Vtrim | Vpot | | | | | | | | |
| Xg1 | 1.0 | 1.5 | 2.5 | 3.6 | 41.6A | 104W | | | | |
| Xg2 | 1.5 | 3.2 | 5.0 | 6.0 | 33.2A | 166W | | | | |
| Xg3 | 4.0 | 6.0 | 12.0 | 15.0 | 16.67A | 200W | | | | |
| Xg4 | 8.0 | 12.0 | 24.0 | 30.0 | 8.33A | 200W | | | | |
| Xg5 | 8.0 | 24.0 | 48.0 | 58.0 | 5A | 240W | | | | |
| Xg7 | | 5.0 | 24.0 | 28.0 | 4.17A | 100W | | | | |
| Xg8 v1 | | 5.0 | 24.0 | 28.0 | 2.5A | 60W | | | | |
| V2 | | 5.0 | 24.0 | 28.0 | 2.5A | 60W | | | | |

 MODEL
 Watts

 XBA
 400W

 XBB
 600W

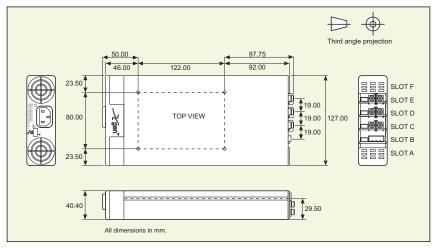
800W

XBC

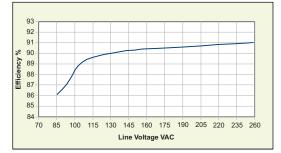
powerMod Maximum Power Outputs (W) have been derated to operate with XB range of Ultra Low-Noise Power Supplies. See Section 4.11 Xgen Designers' Manual for full derating details.

MECHANICAL SPECIFICATIONS

excelsys



EFFICIENCY (typical)



400W-800W

Ultra Low Noise

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 47-63Hz. Contact factory for 440Hz operation | 85 | | 264 | VAC |
| nput voltage Ralige | | 120 | | 380 | VAC |
| Power Rating | XBA:400W, XBB:600W, XBC:800W | 120 | | 300 | VDC |
| - ener runnig | See Section 4.11 for line voltage deratings | | | | |
| Input Current XBA | 85VAC in 400W out | | 7.5 | | Α |
| XBB | 85VAC in 600W out | | 9.5 | | A |
| XBC | 85VAC in 625W out | | 11.5 | | A |
| Inrush Current | 230VAC @ 25°C | | 11.5 | 25 | A |
| Undervoltage Lockout | Shutdown | 65 | | 74 | VAC |
| U | | 05 | | 74 | VAC |
| Fusing XBA | 250V | | F8A HRC | | |
| XBB | 250V | | F10A HRC | | |
| XBC | 250V | | F12A HRC | | |
| OUTPUT | | | | | |
| Parameter | Conditions/Description | Min | Nom | Max | Units |
| powerMod Power | As per powerMod table | | | | |
| Output Adjustment Range | Manual: Multi-turn potentiometer. As per <i>powerMod</i> table | | | | |
| | Electronic: See Section 4.6 | | | | |
| Minimum Load | | | 0 | | Α |
| 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 | | | 10 | % |
| - | 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 | (0,00pt, 3, 1, 30) | | | 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 | | Ť | ms |
| Output Isolation | Output to Output / Output to Chassis | 500 / 500 | | | VDC |
| GENERAL | · · · · · · · · · · · · · · · · · · · | | | I | |
| Parameter | Conditions/Description | Min | Nom | Max | Units |
| | Conditions/Description | | Nom | Max | |
| Isolation Voltage | Input to Output | 3000 | | | VAC |
| | Input to Chassis | 1500 | | | VAC |
| Efficiency | 230VAC, 800W @ 24V | | 90 | | % |
| Safety Agency Approvals | EN60950, UL60950, CSA22.2 No.950 UL File No. E181875 | | | | |
| Leakage Current | 250VAC, 60Hz, 25°C | | | 1.5 | mA |
| Signals | See Section 4.9 | | | | |
| | | 4.8 | 5.0 | 5.2 | VDC |
| Bias Supply | Always on. Current 250mA. 500mA option available | | | | for see la |
| Bias Supply Reliability | Failures per million hours at 25°C and full load powerMod | | | 0.98 | fpmh |
| | | | | 0.98 0.92 | fpmh |
| | Failures per million hours at 25°C and full load powerMod | | | | |
| Reliability EMC | Failures per million hours at 25°C and full load powerMod | | Level | | |
| Reliability EMC Parameter | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac | | Level | | fpmh |
| Reliability EMC Parameter Emissions | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard Standard Standard Standard | | | | fpmh |
| Reliability EMC Parameter Emissions Conducted | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard EN55011, EN55022, FCC | | Level B | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC | | Level B Level B | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A | | Level B Level B Compliant | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC | | Level B Level B | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard | | Level B Level B Compliant Compliant | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge | Failures per million hours at 25°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 | | Level B Level B Compliant Compliant | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity | Failures per million hours at 25°C and full load See Section 4.12. powerPac excludes fans powerMod powerPac Standard EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-3-3 EN61000-4-2 EN61000-4-3 | | Level B Level B Compliant Compliant Level 2 Level 3 | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst | Failures per million hours at 25°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 B Level B Compliant Compliant Level 2 Level 3 Level 3 | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard | | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 | | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 | | fpmh |
| Reliability EMC Parameter Emissions Conducted Radiated Harmonic Distortion Flicker & Fluctuation Immunity Electrostatic Discharge Radiated Immunity Fast Transients-Burst Input Line Surges Conducted Immunity | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard | | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 | | fpmh |
| 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 | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 | | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 | | fpmh |
| 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 | Failures per million hours at 25°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 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-11 EN61000-4-11 | Min | Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units |
| 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 | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 | Min -20 | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 | 0.92 | fpmh Units Units |
| 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 | Failures per million hours at 25°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 EN61000-4-3 EN61000-4-5 EN61000-4-5 EN61000-4-11 EN61000-4-11 | -20 | Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units Units Units |
| 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 | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-5 EN61000-4-6 EN61000-4-11 | | Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units |
| 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 Derating | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-6 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings | -20 -40 | Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units |
| 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 Derating Relative Humidity | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-6 EN61000-4-7 EN61000-4-8 EN61000-4-9 EN61000-4-9 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings Non-condensing | -20 | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units Units Units Units |
| 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 Derating Relative Humidity Acoustic Noise | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings Non-condensing Measured from distance of 1m | -20 -40 | Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units |
| 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 Derating Relative Humidity | Failures per million hours at 25°C and full load powerMod See Section 4.12. powerPac excludes fans powerPac Standard EN55011, EN55022, FCC EN55011, EN55022, FCC EN61000-3-2 Class A EN61000-4-2 EN61000-4-2 EN61000-4-3 EN61000-4-6 EN61000-4-7 EN61000-4-8 EN61000-4-9 EN61000-4-9 EN61000-4-11 Conditions/Description See Section 4.11 for full temperature deratings Non-condensing | -20 -40 | Level B Level B Compliant Compliant Level 2 Level 3 Level 3 Level 3 Level 3 Compliant | 0.92 | fpmh Units Units Units Units 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.

- All specifications at nominal input, full load, 25°C unless otherwise stated.
 When powering inductive or capacitive loads, it is recommended to use a blocking diode on the output.
- 5. Conformal Coating option: See Sections 3.1 and 4.10 for details.
- 6. For section references above go to the Xgen Designers Manual.

Xgen Flexibility and Signals

For detailed information 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:

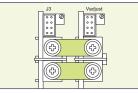
- 1. On board multi turn potentiometer
- 2. Remote resistive programming (via Vtrim pin)
- 3. Remote voltage programming (via Vtrim pin)

Current Limit Adjustment

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

Parallel Connection

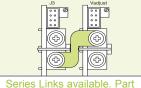
To achieve increased current capacity, simply parallel outputs using the standard parallel links.



Parallel Links available to order. Part Number XP1

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

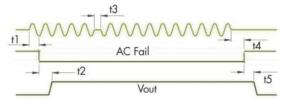
A SELV isolated bias (always on) voltage of 5V @ 250mA (30mA on XCE and XVE models) is provided on J2 pin 2 relative to J2 pin 1 (common) and may be used for miscellaneous control functions. 5V @ 500mA available on request.

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 Fail

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



Power Good

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



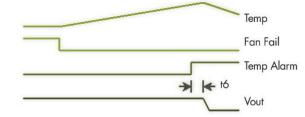
powerPac Options

Temperature Alarm (Option 01)

Open collector signal indicating that 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 *powerPac* 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 available 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)

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

Ruggedised Option (Option R)

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

Input cable Option (Option D)

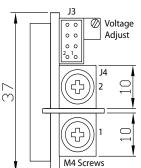
3 Wire input mains cable. Input cables are 300mm in length and come supplied with fast on connectors.

Signal Connector Pinout

| Pin | J2 (powerPac) | J3 (<i>powerMod)</i> Type A | J3 (<i>powerMod)</i> Type B |
|-----|----------------|---------------------------------|---------------------------------|
| 1 | common | +sense | +pg (V2) |
| 2 | +5V bias | -sense | -pg (V2) |
| 3 | | V trim | inhibit (V2) |
| 4 | ac fail | l trim | common (V2) |
| 5 | fan fail* | +inhibit/enable | +pg (V1) |
| 6 | global enable | -inhibit/enable | -pg (V1) |
| 7 | temp alarm* | +power good | inhibit (V1) |
| 8 | global inhibit | -power good | common (V1) |

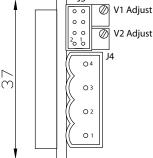
*Option 01 only

TYPE A Xg1-Xg7



J3

TYPE B : Xg8



J4 Connector : M4 Screw

J3 Connector Mating Connector Housing: Locking Molex 51110-0860 Non Locking Molex 51110-0850 Crimp Termnal: Molex p/n 50394

J4Connector : Camden 9200/4A

J3 Connector Mating Connector Housing: Locking Molex 51110-0860 Non Locking Molex 51110-0850 Crimp Termnal: Molex p/n 50394

excelsys

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 | XVE |
| Low Noise Standard | 4 Slot | ХКА | 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

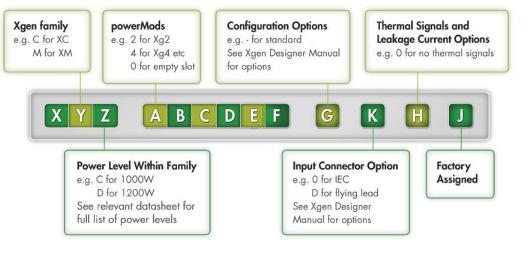
High Efficiency Plug and Play DC output modules to provide a wide range of DC output voltages from 1.0V up to 58.0V.

| 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 v2 | | 5.0 5.0 | 24.0 24.0 | 28.0 28.0 | 3A 3A | 72W 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



excelsys

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