EU REACH Disclosure:

224 Substances of Very High Concern Considered

Excelsys Xgen Series

AC/DC Power Supplies

85 - 264 VAC universal input, 4 & 6 slot modular DC output, 72W to 1340W max.
All options: ITE, medical, low-leakage

Issued: August 15, 2022

REACH: **R**egistration, **E**valuation, **A**uthorization and Restriction of **Ch**emicals
Regulation (EC) No. 1907/2006

REACH is the European Union's chemical substances regulatory framework.

Excelsys Technologies, an Advanced Energy company, does not produce chemical substances or mixtures but does manufacture electrical and electronic equipment that might contain REACH substances in component parts of the final product.

Article 33 of REACH requires manufacturers to inform customers of Substances of Very High Concern (SVHCs) when contained in component parts of their product at concentrations above 0.1% by weight. The REACH Candidate List of SVHCs is published online by the European Chemical Agency (ECHA). Sufficient SVHC information must be provided to the customer to allow for safe use.

Article 67 of REACH describes restrictions on the manufacture, placing on the market, and uses of certain substances on the Restricted Substances List in Annex XVII.

POPs Regulation (EU) 2019/1021 prohibits or severely restricts the production and use of Persistent Organic Pollutants (POPs) in products being placed on the market per the Stockholm Convention and Aarhus Protocol.

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Based on information from component part manufacturers, Excelsys declares the following:

Article 67 & POP Declaration:

Products listed DO NOT contain any Restricted Substances in REACH Annex XVII or POPs Regulation.

Article 33 Declaration:

Products listed contain at least one SVHC in REACH Candidate List above concentration of 0.1%:

SVHC Name	CAS Number	Content Concentration	Location of SVHC's
Diboron trioxide	1303-86-2	2.7416% - 0.1168%	Resistive layer in resistor
Lead monoxide (lead oxide)	1317-36-8	8.6939% - 0.2031%	Resistive layer in resistor
Lead	7439-92-1	3.6132% - 0.4172%	Diode die attach

REACH review of product conducted under the following conditions:	European Chemicals Agency (ECHA) SVHC candidate list:	June 10, 2022 publication date:	224 SVHCs
Authorized by: J.D. Johnson Environmental Compliance Manager	Type of product manufactured, per REACH definition:	Complex article assembled from many component articles, electrical & electronic equipment	
	Subject to REACH Article 7, ECHA registration ?:	No, substances in articles < 1 tonne per year No, substances not intended to be released	
	SVHC concentration of > 0.1%, calculation method:	SVHC weight divided by weight of part containing SVHC, per European Court of Justice ruling	

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Product Declared Compliant: Xgen Series Power Supplies

Xgen configured power supply numbering system: X = all part numbers start with 'X'

Part Number = Xyz abcdef g k h j — For 6 slot Xgen units
Part Number = Xyz abcd g k h j — For 4 slot Xgen units

y = C, F, V, H, Q, Z, B or W, for 6 slot units
y = L, M, K, R, T or N, for 4 slot units

z = A, B, C, D, E or N

A = 200W for L, M, K, R, T, N
A = 400W for C, F, V, H, Q, Z, B, W
B = 400W for L, M, K, R, T, N
B = 600W for H, B, W
B = 700W for C, F, V
B = 900W for Q, Z
C = 600W for L, M, K, R
C = 800W for B, W
C = 1000W for C, F, V
C = 1200W for Q, Z
D = 750W for L, M
D = 1200W for C, V
E = 1340W for C, V
N = 1000W for F

a = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.
b = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.
c = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.
d = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.
e = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.
f = 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R or T.

g = '-', P, C, R or S

'-' = Standard model (nominal voltage)
P = Specific voltage adjustment settings
C = Conformal coating
R = Ruggedized for vibration
S = C + R

k = Any alphanumeric character describing customer internal wiring lengths.
Where no internal wiring exists and standard IEC appliance inlet is used k=0.

h = 0, 1, 2, 3, 4, 5, 6 or 7	0 = Standard model 1 = Thermal signals 2 = Reverse fan 3 = 1 + 2 4 = Low leakage 5 = 1 + 4 6 = 2 + 4 7 = 1 + 2 + 4

j = Any alphanumeric character. Optional. Logistics use only.

Accessories: XP1 (Parallel Link); XS1 (Series Link); XE1 (IEC to Screw adaptor)

Product Declared Compliant: powerMod modules, for Xgen Power Supplies

powerMod plug-in modules part numbering system
Part Number = Xga

Xg = all powerMod part numbers start with 'Xg'

a = 0 - 8, A - T	Type of powerMod module: 0 = empty slot 1 = Xg1 powerMod 2 = Xg2 powerMod 3 = Xg3 powerMod 4 = Xg4 powerMod 5 = Xg5 powerMod 7 = Xg7 powerMod 8 = Xg8 powerMod A = XgA powerMod B = XgB powerMod …to… T = XgT powerMod