

Excelsys Xsolo Series Single Output AC/DC Power Supplies

Issued: April 11, 2023

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals
Regulation (EC) No. 1907/2006

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

Advanced Energy 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.

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

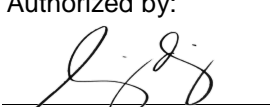
Article 67 Declaration:

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

Article 33 Declaration:

Products listed contain these SVHC(s) in the REACH Candidate List above concentration of 0.1%.

SVHC Name	CAS Number	Content Concentration	Location of SVHC's
Lead	7439-92-1	> 0.1%	Various locations
Lead Monoxide	1317-36-8	> 0.1%	Various locations
4,4'-isopropylidenediphenol (BPA, Bisphenol A)	80-05-7	> 0.1%	Various locations

REACH review of product conducted under the following conditions:	European Chemicals Agency (ECHA) SVHC candidate list:	January 17, 2023 publication date:	233 SVHCs
Authorized by:	Type of product manufactured, per REACH definition:	Complex article assembled from many component articles, electrical & electronic equipment	
 Brazelle Marie Castillo Materials Compliance Engineer	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: Xsolo Series Power Supplies

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

Xab-cdefgh where:

a = S to denote Xsolo

b = 1000 or 500
1000 = 1008W output;
500 = 504W output

c = 24, 36 or 48 (denoting nominal output voltage)

d = N; P or any alphanumeric character used to denote output voltage
N = Nominal output voltage;
P = Pre-set output voltage

e = '-'; C; R or S where:
'-' = standard model;
C = Conformally Coated;
R = Ruggedized;
S = C + R

f = Any alphanumeric character describing customer internal wiring lengths.
Where no internal wiring exists and Screw Terminal Barrier Block only is used, f = 0.

g = 00 to 11, where:
00 = no options
01 = I2C/PM Bus
02 = OR-Ing function
03 = 1 + 2
04 = Low leakage
05 = 1 + 4
06 = 2 + 4
07 = 1 + 2 + 4

h = Optional. Any alphanumeric character (for logistic use only).