

Excelsys CS1000 Series
CS10S = Standard or CS10M = Medical
AC / DC Power Supplies

Issued: October 25, 2024

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) 2024/2555 and (EU) 2024/2570 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.

EU REACH Declaration

241 Substances of Very High Concern Considered



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

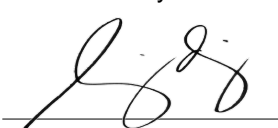
Article 67 Declaration:

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	0.18% - 5.03%	Die attach solder in diodes, transistors, and suppressors
		0.20% - 0.38%	Glass materials in resistors and suppressors
		0.32%	Brass in resistors
Lead Monoxide	1317-36-8	0.11% - 0.67%	Glass materials in diodes, resistors, and suppressors
Diboron trioxide	1303-86-2	0.12% - 0.45%	Glass materials in capacitors and resistors
2-Methyl-4'-(methylthio)-2-morpholinopropiophenone	71868-10-5	0.35%	Solder mask in PWB

REACH review of product conducted under the following conditions:	European Chemicals Agency (ECHA) SVHC candidate list:	publication date: June 27, 2024	241 SVHCs
Authorized by:  Brazelle Marie Castillo Materials Compliance Engineer	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: CS1000 Power Supply

CoolS configured power supply part numbering system:

Part Number = CS10a-bc-d-e-f-j-k

CS = all CS1000 part numbers start with 'CS'

a = S or M	S = Standard ITE/Industrial product M = Medical product
b = 24 or 48	24 = 24 Volt DC Output 48 = 48 Volt DC Output
c = A – Z	N = Nominal P = Preset X = Internal use only
d = '-' or A - Z	'-' = Standard, no conformal coating S = Conformal Coated
e = 0, 1, or A - Z	0 = Screw Terminal 1 = IEC Terminal A - Z = Other connector options
f = "-," or 1 – 9	'-' = Standard Model 4 = Low Leakage
g = A - Z	A = 12V Aux output (standard) B = 5V Aux output
h = '-' or A – Z	'-' or not used = Standard Model A - Z = software Variant
j = '-' or A - Z	'-' or not used = Standard Model L = Lid
k = A - Z	Logistics Use Only