# EU REACH Declaration:

**224 Substances of Very High Concern Considered**

# Excelsys CS1000

## CS10S & CS10M DC Power Supply

**100 - 240 VAC universal input**
**24 VDC or 48 VDC output, 1000 Watt maximum**
**Fanless, High Efficiency, Single Output, Aux Output**

**Issued: August 26, 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 restricted substances that manufacturers are limited or banned from being placed on the market, as detailed in 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, suppliers, third-party databases, and review of each individual component part within this product, Excelsys, an Advanced Energy company discloses 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 Candidate List above concentration of 0.1%:**

| SVHC Name | CAS Number | Location & Safe Use |
|---|---|---|
| Lead | 7439-92-1 | SVHCs listed are in various electronic components of this product and DO NOT present hazards to humans or the environment under normal handling and use. Do not cut open or crush components. |
| Lead Monoxide (Lead Oxide) | 1317-36-8 | |
| 4,4'-isopropylidenediphenol (BPA, Bisphenol A) | 80-05-7 | |

| | | | |
|---|---|---|---|
| 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<br>Environmental Compliance Manager | Type of product manufactured, per REACH definition: | Complex article assembled from many compo-nent articles, electrical & electronic equipment | |
| | Subject to REACH Article 7, ECHA registration ?: | No, substances in articles < 1 tonne per year<br>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 | |

# EU REACH Declarations:

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