

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/22/HEL/00016U

Contract Number: 800930

Certificate Project Number: HEL-CERT220400684

Certified Product: AC/DC Switch Mode Power Supplies and Rectifiers for Industrial and Telecom Applications

Trademarks: ENEDO

Model(s): ADC50XY-series, ADC51XY-series, ADC52XY-series (X: 2,3,8,9; Y: 0,1,2,3,4,5), ADC53XY-series, ADC54XY-series, ADC55XY-series (X: 2,3,8,9; Y: 0,1,2,3,4,5; Additional letter P for models that include passive power factor correction coil, E.g. ADC53XYP) ADC56XY-series, ADC57XY-series, ADC58XY-series, ADC59XY-series (X: 2,3,8,9; Y: 1,3), ADC82XY-series (XY: 20-22) Optional: ADC5000 R-versions for rugged environment (E.g. ADC5183R)

Technical Data:

ADC50XY-series:
Input: 115-230VAC, 2,4A/1,4A, 50/60Hz. Output: 12VDC, 10A
Input: 115-230VAC, 2,4A/1,4A, 50/60Hz. Output: 13,7VDC, 10A;

ADC51XY-series:
Input: 115/230VAC, 2,4A/1,4A, 50/60Hz. Output: 24VDC, 5A
Input: 115/230VAC, 2,4A/1,4A, 50/60Hz. Output: 27,4VDC, 5A;

ADC52XY-series:
Input: 115-230VAC, 2,4A/1,4A, 50/60Hz. Output: 48VDC, 2,5A
Input: 115-230VAC, 2,4A/1,4A, 50/60Hz. Output: 54,8VDC, 2,5A;

ADC53XY-series:
Input: 115-230VAC, 4,5A/2,5A, 50/60Hz. Output: 12VDC, 18/20A
Input: 115-230VAC, 4,5A/1,9A, 50/60Hz. Output: 12VDC, 18/20A
Input: 115-230VAC, 4,5A/2,5A, 50/60Hz. Output: 13,7VDC, 18/20A
Input: 115-230VAC, 4,5A/1,9A, 50/60Hz. Output: 13,7VDC, 18/20A;

ADC54XY-series:
Input: 115-230VAC, 4,5A/2,5A, 50/60Hz. Output: 24VDC, 10A
Input: 115-230VAC, 4,5A/1,9A, 50/60Hz. Output: 24VDC, 10A
Input: 115/230VAC, 4,5A/2,5A, 50/60Hz. Output: 27,4VDC, 10A
Input: 115-230VAC, 4,5A/1,9A, 50/60Hz. Output: 27,4VDC, 10A;

ADC55XY-series:
Input: 115/230VAC, 4,5A/2,5A, 50/60Hz. Output: 48VDC, 5A
Input: 115/230VAC, 4,5A/1,9A, 50/60Hz. Output: 48VDC, 5A
Input: 115/230VAC, 4,5A/2,5A, 50/60Hz. Output: 54,8VDC, 5A



Certification Body

Connectivity & Products, a division of SGS North America Inc.
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Input: 115/230VAC, 4,5A/1,9A, 50/60Hz. Output: 54,8VDC, 5A;

ADC56XY-series:

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 12VDC, 5A

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 13,7VDC, 4,4A;

ADC57XY-series:

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 24VDC, 2,5A

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 27,4VDC, 2,2A;

ADC58XY-series:

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 48VDC, 1,25A

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 54,8VDC, 1,1A;

ADC59XY-series:

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 36VDC, 1,7A

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 41,4VDC, 1,5A;

ADC82XY-series:

Input: 115-240VAC, 1,4A/0,8A, 50/60Hz. Output: 15VDC, 4A

Certificate Holder:

Enedo Finland Oy
Martinkyläntie 43, 01720, Vantaa, Finland

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

UL 62368-1, Ed. 3 dated December 13, 2019
CAN/CSA C22.2 No. 62368-1:19

Schedule of Limitations

When installed in the end-use application, the following are among the considerations to be made when the suitability of the combination is determined:

- The unit is intended for building in purposes only and shall be installed in compliance with the enclosure, mounting, spacing and heating requirements of the end-use application.
- The end-use application must be UL 62368-1, Ed. 3 dated December 13, 2019 and CAN/CSA C22.2 No. 62368-1:19 compliant in regards of mechanical enclosure and fire enclosure.
- The unit has been evaluated for indoor use only and has not been evaluated for water exposure.
- Tested for an ambient temperature of max+55°C. ADC54xy models for an ambient temperature of max +45°C.
- The equipment shall be preceded by a separately approved circuit breaker or fuse with maximum 20A rating.
- Intended to be installed and services by trained service personnel only.
- The units are NOT approved as Battery chargers. If rectifiers are used as Battery chargers, there has to be additional external fuse or protected controller circuit before the connection of the battery pack for safety reasons, as stated in instruction of use

Authorized by:

Effective date: 12 February 2025



Mikko Välimäki
Certifier

Certification Body

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