



Product Service

CERTIFICATE

No. B 15 09 13890 02370

Holder of Certificate: **Astec International Ltd.**

16th Floor, Lu Plaza, 2 Wing Yip Street
Kwun Tong
Kowloon
HONG KONG



Certification Mark:



Product: **Converter
(DC-DC Converter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 68230725717

Valid until: 2020-09-05



(Signature)
(Yager Bi)

Date, 2015-09-09
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**CERTIFICATE**

No. B 15 09 13890 02370

Model(s):

AVQ420W-48S12, AVQ360W-48S12, AVQ300W-48S12,
AVQ220W-48S12, AVQ400B-48S12, AVQ220B-48S12,
AVQ300-48S12, AVQ400-48S12, AVQ220-48S12
(See page 3 for details of model description)

Parameters:

Rated Input : See page 3 for details
Rated Output : See page 3 for details
Construction : Built-in
Protection Class : Built-in component,
considered in end system
Degree of Protection : IPX0

Remarks :

- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- Clearance was evaluated for altitude up to 3000m above sea level.
- Refer to the installation and operating instruction from manufacturer for the details of loading condition and operating ambient temperature.
- Basic insulation is provided between the input circuit and output circuit, and between input circuit and case for AVQ400-48S12 and AVQ220-48S12 series only.
- These built-in converters have no in-line fuse. An external 20A/125VDC fuse must be employed as input line fuse before installation for model AVQ400-48S12 series, 15A/125VDC for other series.
- These converters contain output exceeding 240VA, when installing into end system, the output and associated wires should not be touched.
- This built-in converter shall be connected to a source which is insulated from the mains supply by double or reinforced insulation.

Tested according to:

EN 60950-1:2006/A2:2013

Production Facility(ies):

26247, 41329

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Model name	Rated Input	Rated Output
AVQ420W-48S12	36-75VDC, 12A	12VDC, 35A
AVQ360W-48S12	36-75VDC, 12A	12VDC, 30A
AVQ300W-48S12	36-75VDC, 12A	12VDC, 25A
AVQ220W-48S12	36-75VDC, 12A	12VDC, 18A
AVQ400B-48S12	36-75VDC, 13A	12VDC, 33A
AVQ220B-48S12	36-75VDC, 9A	12VDC, 18A
AVQ300-48S12	36-75VDC, 12A	12VDC, 25A
AVQ400-48S12	36-75VDC, 13A	12VDC, 33A
AVQ220-48S12	36-75VDC, 13A	12VDC, 16A

Remarks:

Model name may contain suffix "P-B-L" and/or "- RWXYZ", where

P: may be Null, "N" or "P", which indicates the CNT Negative logic or Positive logic

B: may be "B" or Null, which indicates the model with heatsink or not;

": may be Null;

L: may be Null, "2", "4", "6", "7" or "8": which indicates different length of pins;

R: may be Null, "L" or "Y", which indicates RoHS state;

W, X, Y, Z may be represented by any ASCII character code, which have no any affection to product safety.