



Marine &amp; Offshore

Certificate number: 20219/C0 BV

File number: ACE 06/843/01

Product code: 2592I

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**Schneider Toshiba Inverter Europe S.A.S**

Pacy-sur-Eure - FRANCE

*for the type of product*

**FREQUENCY CONVERTERS (Power 50kW and over)**

Altivar 61.

**Requirements:**

BV Rules for the Classification of Steel Ships.

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

*This certificate is a renewal of certificate N° 20219/B1 BV expiring on 11/02/2018*

**This certificate will expire on: 11 Feb 2023**

**For Bureau Veritas Marine & Offshore,**

At BV SAINT QUENTIN-EN-YVELINES, on 30 Nov 2017,

Antoine PERRIN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

The Altivar ATV61 drive is a frequency inverter for 3-phase asynchronous motors, and is dedicated to variable torque applications.

#### 1.1 - Approval's range:

##### 1.1.1 - ATV61H 380-500V

kW	HP	Reference
110	150	ATV61HC11N4
132	200	ATV61HC13N4
160	250	ATV61HC16N4
200	300	ATV61HC22N4
220	350	ATV61HC22N4
250	400	ATV61HC25N4
280	450	ATV61HC31N4
315	500	ATV61HC31N4
355	550	ATV61HC40N4
400	600	ATV61HC40N4
500	700	ATV61HC50N4
560	800	ATV61HC63N4
630	900	ATV61HC63N4

##### 1.1.2 - ATV61H 500-690V

500V kW	575V HP	690V kW	Reference
90	125	110	ATV61HC11Y
110	150	132	ATV61HC13Y
132	-	160	ATV61HC16Y
160	200	200	ATV61HC20Y
200	250	250	ATV61HC25Y
250	350	315	ATV61HC31Y
315	450	400	ATV61HC40Y
400	550	500	ATV61HC50Y
500	700	630	ATV61HC63Y
630	800	800	ATV61HC80Y

### 2. DOCUMENTS AND DRAWINGS:

Catalogue ATV61, referenced DIA2ED2050905 rev. A01, dated 09/2005.

User Manual ATV61, referenced W81757403 rev. A04, dated 05/2007.

Installation Manual / Outline Drawings ATV61, referenced W91757395 rev. A03, dated 05/2007.

### 3. TEST REPORTS:

Test report recorded under the reference ACE 06/843/01.

### 4. APPLICATION / LIMITATION:

4.1 - BV Rules for the Classification of Steel Ships.

4.2 - Approval also valid for ships to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

4.3 - In accordance with the manufacturer instructions.

**5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 - The above products are to be supplied by **Schneider Toshiba Inverter Europe S.A.S** in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - **Schneider Toshiba Inverter Europe S.A.S** has declared to Bureau Veritas the following production site(s):

**Schneider Electric Industries SAS -  
Le Vaudreuil  
2 Rue du Pont Vert  
27109 Le Vaudreuil  
FRANCE**

**APC India Pvt Ltd  
187/3 & 188/3, Jigani Village,  
Jigani Hobli  
Bangalore  
INDIA**

**SSD Schneider Suzhou Drives Co Ltd  
No.7 Loujiang East Road, Weiting Town,  
SIP  
Suzhou  
P.R.CHINA**

**6. MARKING OF PRODUCT:**

- Maker's name or trade mark,
- Serial number of the units,
- Equipment type number or model identification under which it was type-tested,
- Society's brand as relevant

**7. OTHERS:**

7.1 - It is **Schneider Toshiba Inverter Europe S.A.S's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 20219/B1 BV issued on 26 May 2015 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*

