



BUREAU  
VERITAS

## Factory Inspection Certificate

Certificato di ispezione di fabbrica

**Applicant:**  
Richiedente:

**Zucchetti Centro Sistemi SpA**

**Address:**  
Indirizzo:

Via Lungarno 305/A  
52028 Terranuova Bracciolini (AR)  
Italy

**Product type:**  
Tipo prodotto:

**Solar Grid-tied Inverter, AC-coupled storage converter, Hybrid inverter**

**Model:**  
Modello:

**See Annex 1 to 2 / Vedi Allegato 1 a 2**

**Test report No.:**  
Rapporto di test N°:

16TH0076-CEI 0-21\_ZCS\_0, 16TH0130-CEI 0-21\_ZCS\_0, 18TH0539-CEI 0-21\_ZCS\_1, 18TH0561-CEI 0-21\_ZCS\_0, 18TH0561-CEI 0-16\_ZCS\_0, 20TH0332-CEI 0-21\_ZCS\_0, 20TH0332-CEI 0-16\_ZCS\_0, 16TH0185-CEI 0-21\_ZCS\_0, 21TH0243\_CEI 0-21\_1, 21TH0246-CEI 0-21\_0, 21TH0245-CEI 0-21\_1, 21TH0186-CEI 0-16\_0, 2219/0267-A/E1, 2219/0267-B/E1, 2220/0002 A, 2220/0002 – B, 2220/0076-A-1, 2220/0076-A-2, 2220/0076-B-E1, 2218/0234-1-E1, 2218/0234-2-E1, 2221/0147-A, 2221/0147-B-E1, 2221/0067-2, 2221/0067-3, 20TH0192-CEI 0-21\_ZCS\_0, 220322215GZU-001, 220322216GZU-001, 221130074GZU-002, 230320JHA063-EG-IT-001, 221228069GZU-001, 21TH0243\_CEI 0-21\_ZCS\_0, 221126037GZU-007, 220921BWA103-EG-IT-001, 220921BWA103-EG-IT-002, 220921BWA103-EG-IT-003, 220921BWA103-EG-IT-004, 230302163GZU-004, 230302163GZU-003, 230320JHA063-EG-IT-002

**Ratings:**  
Caratteristiche:

**See Annex 1 to 2**  
**Vedi Allegati 1 a 2**

Test samples of above stated models passed the electrical tests and monitored by annual Factory Inspections at following factory location, made in accordance to:

*I campioni di prova sopra riportati sottoposti a verifica hanno superato le prove elettriche e saranno monitorati annualmente mediante ispezione di fabbrica presso il seguente sito, effettuate in conformità della:*

**Regole applicative per il riconoscimento delle tariffe incentivanti previste dal DM 5 Luglio 2012 (QUINTO CONTO ENERGIA) [§ 4.6.4 – Inverter]**

• The factory inspection was based on: / La verifica in fabbrica si è basata su:  
**CEI 0-21, CEI 0-16, TERNA annex A70 for connection to LV, MV/HV**

• The report of the factory inspection includes the requirements of GSE applicative rules about the manufacturing quality process and used materials.

*Il rapporto di ispezione di fabbrica include i requisiti delle regole GSE applicabili al processo di qualità costruttiva e dei materiali utilizzati.*

• Components check has been performed in order to guarantee a constant quality level as based on a detailed description supplied by License Holder to BV CPS Germany, as requested by:

*Controllo dei componenti è stato effettuato allo scopo di garantire un costante livello di qualità come prescritto nella dettagliata*

*descrizione fornita dal titolare della licenza a BV CPS Germany come consentito dalla:*

*Delibera AEEG n. 84/2012/R/EEL e documenti GSE "Quinto Conto Energia: chiarimenti su definizione edificio energeticamente*

*certificabile e sulle Certificazioni/Attestazioni riguardanti i moduli fotovoltaici ed i gruppi di conversione inverter");*

**Factory location:**  
Sito aziendale:

**Guangdong Province, P.R. China** Factory code EE0052

with main production steps: development, assembly, measuring and testing

secondo i seguenti principali processi: progettazione, assemblaggio, misura e controllo

**Certificate No.:**  
Certificato N°:

**23-004\_1**

**Report No.:** BVCZ-ESH-P23032012A  
Rapporto N°

**Additional information (if any):**  
Informazioni aggiuntive (se presenti):

**Replaces the certificate N° 23\_004**  
*Sostituisce il certificato*

**from:** 2023-04-14  
**da:**

**Issued:** 2023-07-14  
*Emesso il:*

**Valid until:** 2024-07-13  
*Valido fino a:*



Ulrich Feike  
**Certification Body**  
Bureau Veritas Consumer Products Services Germany GmbH

Ohne schriftliche Genehmigung von Bureau Veritas Consumer Products Services Germany GmbH ist eine auszugsweise Vervielfältigung des Konformitätszertifikats nicht gestattet. / Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this certificate of conformity shall not be reproduced.

Bureau Veritas Consumer Products Services Germany GmbH  
www.bureauveritas.de/cps

Businesspark A96  
86842 Tuerkeim

certification.deu@bureauveritas.com  
Certificate number 23-004\_1

## Annex 1 / Allegato 1

**Model:**

*Modello:*

**Solar grid-connected inverter:**

AZZURRO 1PH 1100TL-V1, AZZURRO 1PH 1600TL-V1, AZZURRO 1PH 2200TL-V1, AZZURRO 1PH 2700TL-V1, AZZURRO 1PH 3000TL-V1 (Certification No. U21-0156)

AZZURRO 1PH 3000TLM-V1, AZZURRO 1PH 3680TLM-V1, AZZURRO 1PH 4000TLM-V1, AZZURRO 1PH 4600TLM-V1, AZZURRO 1PH 5000TLM-V1, AZZURRO 1PH 6000TLMV1 (Certification No. U21-0157)

AZZURRO 1PH 3000TLM-V2, AZZURRO 1PH 3680TLM-V2, AZZURRO 1PH 4000TLM-V2, AZZURRO 1PH 4600TLM-V2, AZZURRO 1PH 5000TLM-V2, AZZURRO 1PH 6000TLM-V2 (Certification No. U21-0187)

AZZURRO 3PH 20000TL-V2, AZZURRO 3PH 25000TL-V2, AZZURRO 3PH 30000TL-V2, AZZURRO 3PH 33000TL-V2 (Certification No. U21-0152)

AZZURRO 1PH 1100TL-V3, AZZURRO 1PH 1600TL-V3, AZZURRO 1PH 2200TL-V3, AZZURRO 1PH 2700TL-V3, AZZURRO 1PH 3000TL-V3; AZZURRO 1PH 3300TL-V3 (Certification No. 2620/0384-A-M1-CER)

AZZURRO 3PH 4.4KTL-V1, AZZURRO 3PH 5.5KTL-V1; AZZURRO 3PH 6.6KTL-V1, AZZURRO 3PH 8.8KTL-V1, AZZURRO 3PH 11KTL-V1, AZZURRO 3PH 12KTL-V1 (Certification No. 2619/0267-M1-CER/E2)

AZZURRO 3PH 15KTL-V2; AZZURRO 3PH 12KTL-V2, AZZURRO 3PH 10KTL-V2 (Certification No. 2620/0076-A-M1-CER)

AZZURRO 3PH 50000TL-V1; AZZURRO 3PH 60000TL-V1, AZZURRO 3PH 70000TL-V1 (Certification No. 2618/0234-1-M1-CER1/E1)

AZZURRO 3PH 3.3KTL-V3, AZZURRO 3PH 4.4KTL-V3, AZZURRO 3PH 5.5KTL-V3, AZZURRO 3PH 6.6KTL-V3, AZZURRO 3PH 8.8KTL-V3, AZZURRO 3PH 11KTL-V3, AZZURRO 3PH 12KTL-V3, AZZURRO 3PH 5KTL-V3-A, AZZURRO 3PH 8.8KTL-V3-A, AZZURRO 3PH 10KTLV3-A, AZZURRO 3PH 11KTL-V3-A (Certification No. 2621/0147-E1-M1-CER)

AZZURRO 1PH 3000TLM-V3, AZZURRO 1PH 3680TLM-V3, AZZURRO 1PH 4000TLM-V3, AZZURRO 1PH 4600TLM-V3, AZZURRO 1PH 5000TLM-V3, AZZURRO 1PH 5000TLM-V3-A, AZZURRO 1PH 6000TLM-V3 (Certification No. U21-0872)

AZZURRO 3PH 15000TL-V3, AZZURRO 3PH 17000TL-V3, AZZURRO 3PH 20000TL-V3, AZZURRO 3PH 22000TL-V3, AZZURRO 3PH 24000TL-V3 (Certification No. U21-0873)

AZZURRO 3PH 75KTL-LV, AZZURRO 3PH 80KTL-LV, AZZURRO 3PH 100KTL-LV, AZZURRO 3PH 110KTL-LV, AZZURRO 3PH 100KTL-HV, AZZURRO 3PH 125KTL-HV, AZZURRO 3PH 136KTL-HV (Certification No. 2621/0067-3-M1-CER)

AZZURRO 3PH 3.3KTL-V1, AZZURRO 3PH 4.4KTL-V1, AZZURRO 3PH 5KTL-V1, AZZURRO 3PH 5.5KTL-V1, AZZURRO 3PH 6.6KTL-V1, AZZURRO 3PH 8.8KTL-V1, AZZURRO 3PH 11KTL-V1, AZZURRO 3PH 12KTL-V1 (Certification No. U21-0013)

AZZURRO 3PH 10KTL-V2, AZZURRO 3PH 12KTL-V2, AZZURRO 3PH 15KTLV2 (Certification No. 2620/0384-B-M1-CER)

AZZURRO 3PH 15000TL-V3, AZZURRO 3PH 17000TL-V3, AZZURRO 3PH 20000TL-V3, AZZURRO 3PH 22000TL-V3, AZZURRO 3PH 24000TL-V3 (Certification No. CN-PV-230008)

## Annex 2 / Allegato 2

AZZURRO 3PH 20000TL-V2, AZZURRO 3PH 25000TL-V2, AZZURRO 3PH 30000TL-V2,  
AZZURRO 3PH 33000TL-V2 (Certification No. U21-0151)

AZZURRO 3PH 25KTL-V3, AZZURRO 3PH 30KTL-V3, AZZURRO 3PH 30KTL-V3-A,  
AZZURRO 3PH 33KTL-V3, AZZURRO 3PH 36KTL-V3, AZZURRO 3PH 40KTL-V3, AZZURRO  
3PH 45KTL-V3, AZZURRO 3PH 50KTL-V3, AZZURRO 3PH 40KTL-V3-HV,  
AZZURRO 3PH 50KTL-V3-HV (Certification No. 2621/0362-2-M1-CER)

AZZURRO 3PH 25KTL-V3, AZZURRO 3PH 30KTL-V3, AZZURRO 3PH 30KTL-V3-A,  
AZZURRO 3PH 33KTL-V3, AZZURRO 3PH 36KTL-V3, AZZURRO 3PH 40KTL-V3,  
AZZURRO 3PH 45KTL-V3, AZZURRO 3PH 50KTL-V3, AZZURRO 3PH 40KTL-V3-HV,  
AZZURRO 3PH 50KTL-V3-HV (Certification No. 2621/0362-1-M1-CER)

AZZURRO 3PH 50000TL-V1, AZZURRO 3PH 60000TL-V1, AZZURRO 3PH 70000TL-V1  
(Certification No. 2618/0234-2-M1-CER/E1)

AZZURRO 3PH 60KTL-V3, AZZURRO 3PH 60KTL-V3 D2, AZZURRO 3PH 70KTL-V3,  
AZZURRO 3PH 75KTL-V3, AZZURRO 3PH 80KTL-V3 (Certification No. CN-PV-230227)

AZZURRO 3PH 60KTL-V3, AZZURRO 3PH 60KTL-V3 D2, AZZURRO 3PH 70KTL-V3,  
AZZURRO 3PH 75KTL-V3, AZZURRO 3PH 80KTL-V3 (Certification No. CN-PV-230226)

AZZURRO 3PH 75KTL-LV, AZZURRO 3PH 80KTL-LV, AZZURRO 3PH 100KTL-LV,  
AZZURRO 3PH 110KTL-LV, AZZURRO 3PH 100KTL-HV, AZZURRO 3PH 125KTL-HV,  
AZZURRO 3PH 136KTL-HV (Certification No. 2621/0067-2-M1-CER)

AZZURRO 3PH 100KTL-V4, AZZURRO 3PH 110KTL-V4, AZZURRO 3PH 125KTL-V4-A  
(Certification No. 23-143-00)

AZZURRO 3PH 100KTL-V4, AZZURRO 3PH 110KTL-V4, AZZURRO 3PH 125KTL-V4-A  
(Certification No. 23-210-00)

AZZURRO 3PH 250KTL-HV, AZZURRO 3PH 255KTL-HV, AZZURRO 3PH 250KTL-HV-PRO,  
AZZURRO 3PH 255KTL-HV-PRO (Certification No. CN-PV-230027)

## Annex 3 / Allegato 3

**Model:**

*Modello:*

**AC-coupled storage Converter:**

AZZURRO 3000SP (Certification No. CN-PV-220103)

AZZURRO 3000SP (Certification No. U21-0454)

**Hybrid Inverter:**

AZZURRO 1PH HYD3000 ZSS, AZZURRO 1PH HYD3600 ZSS, AZZURRO 1PH HYD4000 ZSS, AZZURRO 1PH HYD5000 ZSS, AZZURRO 1PH HYD6000 ZSS  
(Certification No. U21-0463)

AZZURRO 3PH HYD5000 ZSS, AZZURRO 3PH HYD6000 ZSS, AZZURRO 3PH HYD8000 ZSS, AZZURRO 3PH HYD10000 ZSS, AZZURRO 3PH HYD15000 ZSS, AZZURRO 3PH HYD20000 ZSS (Certification No. U21-0155)

AZZURRO 1PH HYD3000 ZSS HP, AZZURRO 1PH HYD3600 ZSS HP, AZZURRO 1PH HYD4000 ZSS HP, AZZURRO 1PH HYD4600 ZSS HP, AZZURRO 1PH HYD5000 ZSS HP, AZZURRO 1PH HYD5500 ZSS HP, AZZURRO 1PH HYD6000 ZSS HP  
(Certification No. CN-PV-220093)

AZZURRO 1PH HYD3000 ZSS HP, AZZURRO 1PH HYD3600 ZSS HP, AZZURRO 1PH HYD4000 ZSS HP, AZZURRO 1PH HYD4600 ZSS HP, AZZURRO 1PH HYD5000 ZSS HP, AZZURRO 1PH HYD5500 ZSS HP, AZZURRO 1PH HYD6000 ZSS HP  
(Certification No. U21-0854)

AZZURRO 1PH HYD3000 ZSS HP, , AZZURRO 1PH HYD3600 ZSS HP, AZZURRO 1PH HYD4000 ZSS HP, AZZURRO 1PH HYD4600 ZSS HP, AZZURRO 1PH HYD5000 ZSS HP, AZZURRO 1PH HYD5500 ZSS HP, AZZURRO 1PH HYD6000 ZSS HP  
(Certification No. CNPV-220093)

AZZURRO 1PH HYD3000 ZP1, AZZURRO 1PH HYD3680 ZP1, AZZURRO 1PH HYD4000 ZP1, AZZURRO 1PH HYD4600 ZP1, AZZURRO 1PH HYD5000 ZP1, AZZURRO 1PH HYD6000 ZP1  
(Certification No. CN-PV-230088)

AZZURRO 3PH HYD20000 ZSS, AZZURRO 3PH HYD15000 ZSS, AZZURRO 3PH HYD10000 ZSS, AZZURRO 3PH HYD8000 ZSS, AZZURRO 3PH HYD6000 ZSS, AZZURRO 3PH HYD5000 ZSS (Certification No. U21-0154)

AZZURRO 3PH HYD5000 ZSS, AZZURRO 3PH HYD6000 ZSS, AZZURRO 3PH HYD8000 ZSS, AZZURRO 3PH HYD10000 ZSS, AZZURRO 3PH HYD15000 ZSS, AZZURRO 3PH HYD20000 ZSS (Certification No. 23-141-00)

AZZURRO 3PH HYD5000 ZSS, AZZURRO 3PH HYD6000 ZSS, AZZURRO 3PH HYD8000 ZSS, AZZURRO 3PH HYD10000 ZSS, AZZURRO 3PH HYD15000 ZSS, AZZURRO 3PH HYD20000 ZSS (Certification No. 23-085-00)