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LCIE

LCIE – BV – 143463_690236

CERTIFICATE OF CONFORMITY

To IEC EN 61822 standard

The undersigned, E.Nainemoutou, Electrotechnical Expert of LCIE- Bureau Veritas, F, acting within the scope of the General Conditions of BUREAU VERITAS S.A., certifies herewith that the supply of

Product: Constant Current Regulator Type CCR-2100

Manufactured by Dalian Zongyi S&T Development Ltd. in China

Application: Series circuit current regulator

- was found in conformity with:

- IEC EN 61822 standard

- date of inspection: 29 August – 1st September 2016 at China

- and has been, upon request of:

Dalian Zongyi S&T Development Ltd.

- This product has been tested and found in compliance with:

- IEC EN 61822 standard

Date and place of inspection: 29 August -1st September 2016 at China, Shenyang City

Mr Elie Nainemoutou
Electrotechnical Expert
LCIE –Bureau Veritas



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Société par Actions Simplifiée

au capital de 15 745 984 €

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The following survey operations have been carried out without noticeable remarks:

- Attendance to tests at the Laboratory appointed by the manufacturer:
 - o Examination of test equipment
 - o Checking of installation and units before testing

Details of the tests witnessed by Bureau VERITAS according to IEC 61822:

- | | |
|-----------------------------------|---------------------------------|
| • Visual inspection test | • Mechanical option test |
| • Safety test | • EMC test |
| • Power frequency test | • BIL test |
| • Enclosure temperature test | • Lightning arrestors |
| • Open circuit test | • Low temperature test |
| • Overcurrent test | • High temperature test |
| • Operation test | • Earth fault monitor |
| • Regulation (resistive loading) | • Load indicator |
| • Regulation (reactive loading) | • Lamp fault indicator |
| • Efficiency test | • Output lighting arrestors |
| • Power factor test | • Non-illumination current step |
| • Output current surge test | • Out of range indicator |
| • Dynamic response test | • Output ammeter |
| • Power supply interruptions test | • Short circuit protection |
| • Output waveforms test | • Serial wiring |

CONCLUSION

Taking into account the satisfactory results of actual tests and examinations we confirm that the manufacturing and the test results for the above specified units are in conformity with applicable standards, specifications and data sheets.

(Details of standards and specifications are indicated on page 1 of this certificate and data sheet as per catalogue).

ENCLOSURE

Test records of the test witnessing, duly stamped for identification by BUREAU VERITAS.

Mr Elie Nainemoutou

Electrotechnical Expert

LCIE –Bureau Veritas



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LCIE

Attestation d'Examen UE de type *EU-type Examination Certificate*

N°: 143463-690235-AEU

Etabli selon l'article 14 (Annexe 3) de la directive CEM 2014/30/UE du 26 février 2014
Established under Article 14 Annex 3 of Directive EMC 2014/30/UE of 26 February 2014.

Numéro de l'organisme / Notified Body Identification Number: 0081
Règles de certification : Référentiel de certification CEM Ed.0
Certification program : EMC Certification Rules Ed.0

Titulaire- Fabricant/
Applicant- Manufacturer

Dalian Zongyi S&T Development Ltd.
No. 60 Lingxiu Rd., Hi-tech zone
Dalian 116023
P.R. China

Equipement / Equipment

↳ **Produit / Product**

Constant Current Regulator

↳ **Marque commerciale / Trade Mark**

Dalian Zongyi S&T Development Ltd.

↳ **Modèle / Model**

CCR-2100-30kVA
CCR-2100-25kVA
CCR-2100-20kVA
CCR-2100-15kVA
CCR-2100-10kVA
CCR-2100-7.5kVA
CCR-2100-5kVA
CCR-2100-2.5kVA

Composition du (of) document

3 pages

Document émis le / issued on

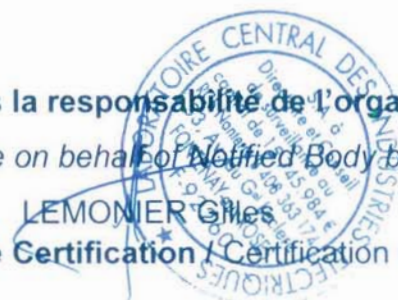
2016/10/12

Signature sous la responsabilité de l'organisme :

Signature on behalf of Notified Body by

LEMONIER Gilles

Responsible Certification / Certification Officer



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LCIE

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PUBLICATION HISTORY

Version	Date	Author	Modification
01	October 03 rd , 2016	F POITEVIN	Creation of the document
02	October 12 th , 2016	F POITEVIN	Removing of the logo Cofrac



Ce certificat été établi par un organisme d'évaluation de la conformité désigné par la Commission Européenne (n°:0081) selon les exigences essentielles en annexe 1 paragraphe 1 a) et b) de la directive CEM 2014/30/UE du 26 février 2014 (article 14) / This certificate was established by a Notified Body designated to the European Commission (n°:0081) according to essential requirements in annex 1, section 1 a) and b) of the EMC Directive 2014/30/UE of 26 February 2014 (article 14)

Notre avis est basé sur la validation de la documentation technique./ *Our opinion is based on the validation of the technical documentation.*

Le produit listé dans le présent certificat respecte les exigences essentielles en annexe 1 paragraphe 1 a) et b) de la directive CEM 2014/30/UE /

The type product listed in the present certificate complies with the essential requirements of annex 1, section 1 a) and b) of the EMC directive 2014/30/UE

- **Validité / validity**

La validité de ce certificat est limité au produit Dalian Zongyi CCR-2100 ayant fait l'objet de cet examen et aux exigences essentielles examinées. Il doit être revu en cas de modification du produit ou en cas d'évolution de l'état de l'art.

The validity of this certificate is limited to the product Dalian Zongyi CCR-2100, subject of this type examination and the essential requirements examined. It must be reviewed in case of modification of the product or in case of evolution of state of the art.