

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2307224-0
Report Reference E529552-20230216
Date 21-Feb-2023

Issued to: Zhejiang Jiangshan Yuanguang Electric Co., Ltd.
No. 1, Xinggong Eighth Road, Jiangdong District, Jiangshan
Economic Development Zone, Quzhou, Zhejiang 324123
China

This is to certify that representative samples of XPLH - Transformers, Distribution, Liquid-filled Type, Over 600 Volts
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: IEEE C57.12.00, 1st Ed., Issue Date: 2021-11-09

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2307224-0
Report Reference E529552-20230216
Date 21-Feb-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
SF-XXXX/YY.YYY/Z.ZZZ series, where "XXXX" = 30~5000 which represents the rated power 30~5000 KVA, "YY.YYY" = 26.000~36.000 which represents the System Hv voltage 26 KV~36 KV, step with 1 V, "/Z.ZZZ" is optional, may be 0.1~1.5 which represents the System Lv voltage 0.1 KV~1.5 KV, step with 1 V. (X or Y or Z may be blank).	Transformers, Distribution, Liquid-Filled, Substation Type


Deborah Jennings-Conner, VP Regulatory Services
UL LLC



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2306290-0
Report Reference E529552-20230216
Date 21-Feb-2023

Issued to: Zhejiang Jiangshan Yuanguang Electric Co., Ltd.
No. 1, Xinggong Eighth Road, Jiangdong District, Jiangshan
Economic Development Zone, Quzhou, Zhejiang 324123
China

This is to certify that representative samples of XPLH7 - Transformers, Distribution, Liquid-filled Type, Over 750 Volts Certified for Canada
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C2.1-06, 1st Ed., Issue Date: 2006-03-01, Revision Date: 2007-02-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2306290-0
Report Reference E529552-20230216
Date 21-Feb-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
SF-XXXX/YY.YYY/Z.ZZZ series, where "XXXX" = 30~5000 which represents the rated power 30~5000 KVA, "YY.YYY" = 26.000~36.000 which represents the System Hv voltage 26 KV~36 KV, step with 1 V, "Z.ZZZ" is optional, may be 0.1~1.5 which represents the System Lv voltage 0.1 KV~1.5 KV, step with 1 V. (X or Y or Z may be blank).	Transformers, Distribution, Liquid-Filled, Substation Type

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services
UL LLC



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File E529552

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FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

TRANSFORMERS, DISTRIBUTION, LIQUID-FILLED TYPE, OVER 600 VOLTS
(XPLH, XPLH7)

Manufacturer:	SEE ADDENDUM FOR MANUFACTURER LOCATIONS
Applicant:	2938196 (Party Site) Zhejiang Jiangshan Yuanguang Electric Co., Ltd. No. 1, Xingong Eighth Road, Jiangdong District, Jiangshan Economic Development Zone, Quzhou Zhejiang 324123 CN
Listee/Classified Company:	2938196 (Party Site) SAME AS APPLICANT

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the Applicant, Manufacturer(s), and Listee/Classified Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following website: <https://www.ul.com/fus>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at <https://www.ul.com/aboutul/locations/>, select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) and any Listee/Classified Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the Applicant, the specified Manufacturer(s), and any Listee/Classified Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: <https://www.ul.com/resources/contracts/follow-up-service-terms>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding

that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body. The certification body's accreditation status for the applicable certification scheme and identification of the accreditation body can be found at <https://www.ul.com/resources/accreditation>.

Deborah Jennings-Conner
VP Regulatory Services
UL

LOCATION

2938196 (Party Site)
Zhejiang Jiangshan Yuanguang Electric Co., Ltd.
No. 1, Xinggong Eighth Road, Jiangdong District, Jiangshan Economic
Development Zone,
Quzhou Zhejiang 324123 CN
Factory ID: NONE
UL Contracting Party for above site is: UL Gmb



Test Record No.1

GENERAL

Test Results relate only to items tested.

SAMPLES

Representative sample of the manufacturer's medium voltage liquid filled three phase transformers rated as shown below was submitted by the manufacturer. The transformers were evaluated to IEEE C57.12.00 the IEEE Standard for General Requirements for Liquid Immersed Distribution, Power, and Regulating Transformers and other referenced Standards and CAN/CSA-C2.1, Single-Phase and Three-Phase Liquid-Filled Distribution Transformers.

Model SF-5000/34.5

Nominal Power: 5000 kVA

Vector Group: Dyn11

HV: 34225/35363/34500/33638/32775 Vac

LV: 400 Vac

HV/LV BIL:200KV/30KV

Tests conducted on Model SF-5000/34.5 could represent Models SF-XXXX/YY.YYY/Z.ZZZ (X or Y or Z may be blank) due to the similar construction.

The following tests were conducted at the manufacturer's facility in third party SUZHOU ELECTRICAL APPARATUS SCIENCE RESEARCH INSTITUTE CO LTD witnessed by UL staff.

Ratio, Polarity and phase relation tests
Resistance Measurements
Winding insulation resistance
Applied-voltage tests
Induced-voltage test
No-load losses and excitation current
Impedance voltage and load loss
Audible sound levels
Lightning impulse
Temperature Rise
Dissolved gas in oil analysis
Pressure and Leak
Lifting and moving devices



The method and results of these tests have been reviewed and found to be in accordance with the requirements of IEEE C57.12.00, STANDARD GENERAL REQUIREMENTS FOR LIQUID-IMMERSED DISTRIBUTION, POWER, AND REGULATING TRANSFORMERS, Issue Date 11/09/2021, IEEE C57.12.90, TEST CODE FOR LIQUID-IMMERSED DISTRIBUTION, POWER AND REGULATING TRANSFORMERS - CORRIGENDUM 1: EDITORIAL, Issue Date 11/09/2021 and CSA C2.1, Single-Phase and Three-Phase Liquid-Filled Distribution Transformers, Edition 1, Revision Date February 2007.

Test Record Summary

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standards IEEE C57.12.00, STANDARD GENERAL REQUIREMENTS FOR LIQUID-IMMERSED DISTRIBUTION, POWER, AND REGULATING TRANSFORMERS, Issue Date 11/09/2021, IEEE C57.12.90, TEST CODE FOR LIQUID-IMMERSED DISTRIBUTION, POWER AND REGULATING TRANSFORMERS - CORRIGENDUM 1: EDITORIAL AND TECHNICAL CORRECTIONS, Issue Date 11/09/2021 and CSA C2.1, Single-Phase and Three-Phase Liquid-Filled Distribution Transformers, Edition 1, Revision Date February 2007 and therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report. Any information and documentation involving UL Mark services are provided on behalf of UL LLC Inc. (UL) or any authorized licensee of UL.



CONCLUSION

Sample of the products covered by this Report has been found to comply with the requirements covering the category and the products are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify UL certification or that the products described are covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the UL Listing Mark on such products which comply with UL's Follow-Up Service Procedure and any other application requirements of UL LLC. The Listing Mark of UL LLC on the product, or the UL symbol on the product and the Listing Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Listing and Follow-Up Service.

This Report is intended solely for the use of UL and the Applicant for establishment of UL certification coverage of the product under UL's Follow-Up Service. UL retains all rights, title and interest (including exclusive ownership) in this Report and all copyright therein. Unless expressly authorized in writing by UL, the Applicant shall not disclose or otherwise distribute this Report or its contents to any third party or use this Report for any purpose other than to establish UL certification and become eligible for Follow-Up Service for the product(s) described in this Report. Any other use of this Report including without limitation, evaluation or certification by a party other than UL unless part of a certification scheme, is prohibited and renders the Report null and void. UL shall not incur any obligation or liability for any loss, expense, or punitive damages, arising out of or in connection with the use or reliance upon the contents of this Report to anyone other than the Applicant as provided in the agreement between UL and Applicant. Any use or reference to UL's name or certification mark(s) by anyone other than the Applicant in accordance with the agreement is prohibited without the express written approval of UL. Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. UL shall not otherwise be responsible to anyone for the use of or reliance upon the contents of this Report.

Report by:

SAM WU
Project Engineer

Reviewed By:

DENNIS LIANG
Staff Engineer